CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Gas pipe line, Georgia, Alabama and Tennessee, Corporation, c/o Ohrstrom, Inc., 44 Wall St., New York and others, plan, $36,000,000.

Offices, Wash., D. C., Treas. Dpt., plans, $16,000,000.

Railway, California, Western Pacific R.R. Co., San Francisco, plans, $12,400,000.

Railways, etc., West Virginia, Chesapeake & Ohio R.R. Co., Richmond, plans expending $11,780,000.

Factory, storage, etc., New York, N. Y., rector, church wardens and vestrymen Trinity Church, G. C. Crane in charge, plans, $6,000,000.

Auditorium, St. Louis, Mo., Bd. P. Serv., City Hall, bids in late summer or fall, $5,000,000.

Archives, Wash., D. C., Treas. Dpt., tentative sketches, $5,000,000.

Railway, West Virginia, Chesapeake & Ohio R.R. Co., Richmond, plans, $4,000,000.

Shops, Huntington, W. Va., Chesapeake & Ohio R.R. Co., Richmond, plans, expanding $3,500,000.

Hotel, etc., Oklahoma City, Okla., C. Colcord, c/o architects, plans, $3,000,000.

Sewers, Long Beach, Calif., making surveys, $2,500,000.

Auditorium, New Orleans, La., Comn. Council, plans, $2,000,000.

Theatre, Toronto, Ont., Famous Players Canadian Corp., plans, $1,500,000.

Apartment, Chicago, Ill., East Fiftieth Street Building Corp., c/o architects sketches, $1,500,000.

Waterworks, New Britain, Conn., soon takes bids, $1,250,000.

Theatre, Sioux Falls, S. D., Eighth Street & Phillips Building Corp., plans, $1,000,000.

Hotel, Seattle, Wash., United Hotel Co., plans, $1,000,000.

Institution, Allenhurst, N. J., A. E. Fitkin, 165 Bway., New York, plans, $1,000,000.

Shops, Richmond, W. Va., Chesapeake & Ohio R.R. Co., plans expending $1,000,000.

Plant, etc., Fairfield, Md., Asiatic Petroleum Co., 65 Bway., New York, plans, $1,000,000.

Pulp and paper plant, Richvale, Calif., Pacific Coast Pulp & Paper Co., plans, $1,000,000.

Bids Desired

Hospital, pavillion, etc., Cleveland, O., Aug. 15 by Lakeside Hospital, $5,350,000.

Public Bond Elections, coming and decided, are listed on Construction News page 61.

Sanitarium, Verona, N. J., Aug. 17, by Bd. Freeholders Essex Co., $2,000,000.

Apartment, Radburne, N. J., City Housing Corp., 18 East 48th St., New York, taking sub bids, $1,000,000.

Bids Received

Subway, Long Island City, N. Y., Bd. Transportation, from Triest Contg. Co., 247 Park Ave., New York, $6,881,121.

Subway, New York, N. Y., Bd. Transportation, from D. C. Serber, $3,160,000.

Rock removal, Michigan, U. S. Engineer Office, Detroit, from Great Lakes Dredge & Dock Co., Chicago, $1,227,660.

Contracts Awarded

Dam, Nyassa, Ore., Dpt. Interior, Bureau Reclamation to General Constr. Co., Seattle, Wash., $3,198,779.

College, Garden City, N. Y., Adelphi College, to Amsterdam Building Co., 441 Lexington Ave., New York, est. $1,500,000.

Department Store, Dallas, Tex., Titche-Goettinger Co., to Watson Co., $1,000,000.

Loft, New York, N. Y., B. B. Davis Co., separate contracts, $1,000,000.

Office, Omaha, Neb., Union Pacific R.R. Co., to John Laf & Sons, etc., $1,000,000.

Apartment, New York, N. Y., Southern Gardens, Inc., separate contracts, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Conn., New Britain—Soon takes bids, 3 story, brick, concrete filtration plant, pumping equipment, reservoirs. $1,250,000 appropriated. J. D. Williams, city engr. Noted July 5.

N. J., Livingston—Twp. Comn., Township Hall, mains in Hazelwood Ave., Northfield Sect. $15,000. Freeman & Winston, McIntosch Bldg., West Orange, twp. engrs.

Pa., Pittsburgh—City, 2 steel water storage tanks with foundations, retaining wall, grading, excavation, other appurtenances at Erk Alley and Lappe Lane; alternate suction-intake at Ross Pumping station. C. H. Kline, mayor.

Ark., Sheridan—Sheridan Water Co., c/o K. Davis, preliminary plans 8,000 ft. 6 and 8 in. c.i. mains, 20 fire hydrants. Private plans.

Tex., Dallas—Mayor and City Bd. Comrs. postponed taking bids to have been opened Aug. 10, purification plant, equipment for pumping station. Noted July 19.

Okla., Fletcher—New waterworks. $30,000. A. B. Carson, Madill, engr.

Okla., Picher—Preliminary plans new water supply. $30,000. A. C. Moore, Joplin, Mo., engr.

Okla., Poteau—Preliminary plans extending 20,000 ft. 4 and 6 in. mains. $25,000. J. Page, Poteau, engr.

Okla., Shidler—Preliminary plans new deep well water supply. $30,000. R. Flood, Drumright, engr.

Bids Desired

N. Y., Brooklyn—Aug. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains under Coney Island Broadwalk, Stratton Henderson Walk, Neck Rd., East 16th and East 19th Sts., Stillwell and 19th Aves.

N. Y., Collins—Aug. 27, by Superintendent Standards & Purchase, Albany, driven well, pump and pump house, at Thomas Indian School, Iroquois; adv. E. N.-R. Aug. 2.

N. Y., New York—Aug. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., 36 in. steel mains in Harlem River Terrace, West Fordham Rd., Bailey and Sedgwick Aves.; mains in Grand Concourse, Eames Pl., Beach, Corlear, Fteley, Morgan, Norman, Wallace, Waterbury, White Plains Aves., Bronx Boro.

N. Y., St. George—Aug. 3, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Kieber Court, Hylan Blvd., Highmount and Lindenwood Rds., Florence and Simonson Pls., Barlow, Detroit, Greenwood, Hamilton Aves., Baltimore, Henry, Islington, Jumel, Orlando, Sturges, 2nd and 4th Sts.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Miss., Cleveland—Aug. 7, by City Clerk, 1,430 ft. deep well pump with sand separator, 8 in. casing, 100 ft. 18 in. top flowing to 16 ft. static head above surface of ground 500 g.p.m.

La., Kaplan—Aug. 14, by Mayor and Bd. Alderman, 1 diesel oil engine, 200 B.H.P.; one 500 g.p.m. underwriters fire pump; one 2,200 volt, 60 cycle, 3 phase slip ring motor with starter and rewiring switchboard in light and water plant.

O., Cleveland Heights (Warrensville P. O.)—Aug. 6, by City, mains in Quary Dr., Keystone, Renfield, Elbon and Woodview Rds. To exceed $15,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

Mich., Royal Oak (Ind. br. Detroit)—Aug. 6, by R. B. Fleming, city clk., two 2,500 gal. electric motor driven centrifugal pumping units for Livernois Ave. N and 8 Mile Rd. Booster Station. E. M. Shafter, 221 East 3rd St., engr.

Ill., Niles Center — See "Streets and Roads."

Mo., St. Louis—Aug. 21, by Bd. Pub. Serv., City Hall, 2 story, brick, concrete office building Kingshighway and DeTony St., for Water Dpt., L. Day, comr., City Hall. $65,200.

Tex., Weslaco—Aug. 10, by City, c/o D. E. Kirkan, mayor, 2 story, rein.-con. brick filtration plant. $40,000. W. E. Anderson, San Benito, engr. Noted June 7.

Calif., Gustine—Aug. 13, by W. L. Chappell, city clk., 920 ft. 4 in. Matheson Joint Pipe, tees, ells, etc.

Ont., Blind River—Aug. 7, by M. Dyke, town clk., waterworks and sewerage system, $50,000. F. A. Dallyn, 71 King St., Toronto, engr. Noted Mar. 22.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenue M, Q, T, U, and W, to Paladino Contg. Co., 1479 Park Ave., New York, $22,520. Noted July 12.

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity Municipal Bldg., mains in Avenues P, R, Z, to N. DeStefano, 378 Woodstock Ave., West New Brighton, $19,400. Noted July 12.

N. Y., Long Island City—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York mains in 47th Ave. to Gregory Co., 351 East 124th St. New York, $7,198; 7th, 14th, 90th Aves., to S. Gallucci, 33 Railroad Ave., Corona, $5,100. Noted July 12.

N. Y., Long Island City—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Queens Blvd., to S. Gallucci, 33 Railroad Ave., Corona, $77,300. Noted July 19.

Pa., Mayview—See "Sewers."

Pa., Pittsburgh—General contract fabricated and c.i. mains, to Donatelli & Dona-

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See proposal advertising on page 154

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

A satisfied customer for more than 20 years

This one concern has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints. Working pressures exceeding 200 pounds.

The Pennsylvania Water Company, Wilkinsburg, Pennsylvania, has been a satisfied user of Leadite for over 20 years.

It has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints; sizes have varied from 4" to 42" in diameter.

It has working pressures up to and exceeding 200 pounds per square inch.

The Pennsylvania Water Company makes a systematic water waste survey of its system each year which shows the tightness of the mains laid underground.

The Pennsylvania Water Company usually lays its pipe with its own forces, but the 20" line, shown in the accompanying picture, was laid by a contractor and with most excellent results.

This line was tested and the leakage on this line ranged from 1/3 to 1/10 of the allowable leakage as ordinarily specified.

Mr. W. C. Hawley is Chief Engineer and General Superintendent of the Pennsylvania Water Company.

Section of 33,000 feet of 20 in. c. i. bell and spigot water main laid by contractor for the Pennsylvania Water Company. Pressures ranging from 70 pounds to 225 pounds per sq. in.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c.i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . . Land Title Building . . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

bills, 7202 Spencer St., $108,025. Est. $137,000.

Ill., Galesburg—Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, Ill., G. W. Harris, ch. engr., 4 mi. pipeline, spillway, 800 ft. concrete dam, reservoir, 14 bridges, culverts, grubbing, improving 3.5 mi. roads, to Cook-O'Brien Constr. Co., 430 Ry. Exch. Bldg., Kansas City, Mo.

Ill., Summit—For 10 in. mains in South 74th Ave., to G. L. Santry, Summit, $41,-129. Est. $43,100.

Ia., Boone — Waterworks, distribution system, to Iowa Mchy. & Supply Co., 317 Court St., Des Moines, Ia. Noted May 19.

Kan., Barnes—Complete waterworks, to H. Knox, Clyde, $17,788. Noted July 19.

Mo., St. Louis—Bd. P. Serv., City Hall, sludge handling machinery for Howards Bend Waterworks Station, Missouri River, St. Louis Co., to Missouri Eng. & Contg. Co., Merchants Laclede Bldg., $16,500; pneumatic conveyor for coagulant house, to Holly Pneumatic System, Inc., Rialto Bldg., $19,775. Noted May 31.

Tex., Pampa—Drilling water well, 32 in. diam. with 20 in. casing, to D. L. McDonald, Amarillo, $25,000.

Okla., Pearson (Asher P. O.)—Sinclair Oil Co., Sinclair Bldg., Tulsa, will build 36,000 ft. 8 in. water line, steel pipe, to South Canadian River. $50,000. Private plans.

Wash., Seattle—Bd. P. Wks., mains in 51st Ave. N.E., to Tony Jakoboni & Co., 2610 West Dakota St., $36,531.

Calif., Huntington Park—For 4- to 12-in. c.i. mains, fire hydrants, valves, fittings, 242,280 sq.ft. oiled roadway resurfacing, to C. H. Merrill, 527-21st. Pl., Santa Monica, $28,993. Noted June 28.

Sewers

Proposed Work

N. J., Caldwell—Bd. Boro Council, Boro Hall, sketches sewerage system in Arlington, Forest and Westover Aves. $25,000. J. S. Provost, 376 Bloomfield Ave., Boro engr.

N. J., Union—Twp. Comn., Town Hall, sewerage system in Concord Pl., Indiana St., Revere, Perry, Concord and Crescent Aves., $50,000. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

O., Wooster — Replacing old with 6- to 24-in. vitr. clay sewers in Christmas Run Valley. A. H. Wedge, Wooster, engr.

Mich., Escanaba—Sewage disposal plant, incl. tanks, influent and effluent sewers. $75,000. A. Aronson, City Hall, engr. Pearse, Greeley & Hanson, 6 North Michigan Ave., Chicago, Ill. consult. engrs.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—For 1,500 ft. 30- to 42-in. concrete sewer in McMillan Ave. $25,000. F. P. Walter, Grosse Pointe Farms, engr.

Mo., Springfield — Preliminary surveys sanitary sewers. $200,000. Russell & Axon, McDaniel Bldg., Springfield, and 1945 Ry. Exch. Bldg., St. Louis, engrs.

Okla., Frederick—Preliminary plans sewer extensions in Gladstone addition. $30,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Pauls Valley—Preliminary plans sewer extensions in Willow, Ash, Pecan and Hickory Sts. $30,000. H. Harris, Pauls Valley, engr.

Calif., Culver City—Sewerage system in Impvt. Dist. 5. $365,000. Koebig & Koebig, Title & Insurance Bldg., Los Angeles, engrs.

Calif., Long Beach—Surveys storm drain in Molino and Oregon Aves. $2,500,000. A. H. Adams, city engr.

Bids Desired

Mass., Boston—Aug. 6 to 10 (S. according to sections) by Dpt. P. Wks., sewerage works in Dorchester and Boston proper. $25,000 or more. J. H. Sullivan, comr.

N. Y., Brooklyn—Aug. 8, by J. J. Byrne, pres. Brooklyn Boron, Boro Hall, sewers in Linden Blvd., Lenox Rd., Church Ave., East 52nd, Newport and East 93rd Sts.

N. Y., Long Island City—Aug. 7, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Depot Rd., Laurel Hill and Rockaway Blvds., Graham, Columbia, Fairbanks, Yellowstone, Roosevelt, 39th and 114th Aves., Ridge, 57th and 129th Sts.

N. Y., St. George — Aug. 8, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sewer in Olympia, Alter, Finley and Hett Aves.

Pa., Phila.—Aug. 8, by Dpt. P. Wks., Bureau of Engineering & Surveys, branch sewers in Champlost and Cheltenham Aves., Bennington, Lawnsdale, Bingham, Carver, Comly, D, Glenview, Greeby, J, Longshore, M and Tulip Sts.

Md., Hagerstown—City Council taking bids sewers in West Washington St. $30,000. W. Slee, Hagerstown, engr.

Miss., Vicksburg—Aug. 6, by City Council, 20,000 ft. various sized storm and sanitary sewer pipe. Address city engineer.

O., Canton—Bd. Control bids about Oct. 19, sewers in 23rd, 24th, 25th, 26th Woodward, Norwood, Ridgeway, 27th, Trinity, 28th and 30th Sts. $30,000—$35,000. W. E. Sarver, City Hall engr.

O., Cleveland Heights (Warrensville P. O.) —Aug. 6, by City, storm and sanitary sewers in Quarry Dr., Keystone, Renfield, Elbon and Woodview Rds. To exceed $25,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

Ind., Beech Grove—Aug. 6, by Bd. Town Trustees, 10 in. sewer in alley between 15th and 16th Sts.

Ind., East Gary—Aug. 6, by City, Dist. Sewer 1-A, 10 and 30 in. vitr. tile pipe. $35,000. Address City Clerk.

Ind., Rockville—Aug. 6, by Bd. Town Trustees, sewage purification (treatment) plant, $22,100; sanitary sewage system, $81,600. T. Brown, pres.

Ind., Rockville—Aug. 6, by Town Bd., sewers. $43,000. Address City Clerk.

Mich., Detroit—Aug. 8, by Dept. P. Wks., monolithic concrete, vitr. con. sewers in tunnel open cut, Lyndon Ave. Sewer, Sects. 1 and 2, Puritan Ave. Arm, Sects. 1 and 2, Fenkell Ave. Arm Sects. 1, 2 and 3, all east of River Rouge, River Rouge Interceptor Sewer Sects. 5 and 7; Warren Avenue Arm Sewer, west of Southfield Road Sewers; Norfolk Avenue Arm Sewer west of Hubbell Ave. Sewer. P. A. Fellows, City Hall, engr.

Mich., Royal Oak (Ind. br. Detroit)—Aug. 6, by R. B. Fleming, city clk., 2,915 ft. 36 in. vitr., concrete sewer in Combined Sewer Dist. 11; 20,600 sq.ft. sidewalks. Hood, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Niles Center — See "Streets and Roads."

Ia., Creston—Aug. 8, by B. Tallman, city clk., 3,100 ft. 15- to 48-in. vitr. clay, brick, concrete sewers. P. K. Devoe, City Hall, engr. Noted July 19.

Calif., Culver City—P. H. Jarrett, city clk., taking bids 3 mi. Sepulveda Storm Drain, rein.-con. pipe. $245,000.

Calif., Southgate—Taking new bids 6- to 15-in. sewers in Home Gardens Dist. A and I 4, $519,715. Former bids rejected. E. M. Lynch, Central Bldg., Los Angeles, engr.

Ont., Blind River—See "Waterworks."

Contracts Awarded

Mass., Lakeville—Dpt. P. Health, State House, Boston, sewerage system, disposal plant at Lakeville State Sanatorium, to M. E. Hamlin, 2 Clifton Ave., Salem. $31,155. Noted June 21.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewers to Paulsen Constr. Co., Vesey and Varick Sts., New York, $257,511. Noted Mar. 1.

N. J. Piscataway (mail New Brunswick) —Bd. Comrs., Raritan Twp., Township Hall, 83,114 lin. ft. 8- to 27-in. vitr. sewer, to Pepper Bros., 200 East Florence Ave., Syracuse, N. Y., $180,713. Noted June 21.

Pa., Mayview—City of Pittsburgh, Dpt. P. Welfare, City-County Bldg., Pittsburgh, sewers, watermains, gas lines at City of Pittsburgh Home and Hospital, to J. T. Barr, Princess Ave., Pittsburgh, $26,161.

Pa., Pittsburgh—Repairing West End Sewerage System, to John F. Casey Co., Aspinwall. Est. $25,000.

Md., Baltimore—Bd. Awards, sewers drains in Sewer Dist. J-5, Sanitary Contr. 249, to N. Martell, 4400 Vesta Ave., $58,-730. Noted July 19.

W. Va., Parkersburg—Sanitary sewers in park section, to B. M. Chaplin & Co., Parkersburg, $28,170.

Ala., Sheffield—See "Streets and Roads."

O., Cincinnati—Hamilton Co., constructing Sewer 41, Dist. 4, 50,165 ft. 8- to 24-in. vitr. clay and 55 ft. 48 in. brick pipe, to J. R. Crew, 3810 Regent Ave., Norwood, $131,467. Est. $147,059. Noted July 12.

O., Massillon—For 11,500 ft. 10 to 18 in. vitr. clay pipe, to J. Wietman, Seneca St., N. E. $29,492. Brookfield Trunk Sewer.

O., Warrensville Heights (br. Cleveland) —To Abood & Lewis, 626 Huron Rd., Cleveland, sewers in Gladstone Ave. $10,-907, Kings Highway $13,569, Marvin Ave. $12,361—to Iafornaro & Co., Union Mortgage Bldg., Cleveland, Sunset Ave. $13,593, Ridgeward Ave. $13,738—to Angelo Marra Co., 1479 Green Rd., Cleveland, Preston Ave. $13,339, Sumpter Ave., $12,047. Grand total $89,554.

Ill., Chicago — Bd. Local Impvts., City Hall, brick, tile sewers, brick manholes, catch basins in Perry Ave., West 91st, 92nd and La Salle Sts., to C. Roberts, 6921 Laflin Ave.

Ill., Shabbona—Bd. Local Impvts., 30,599 ft. 6- to 20-in. vitr. clay and 130 ft. 8- to 10-in. c.i. sewers, relaying 4,250 ft. 24 and 30 in. pipe, 75 manholes, 5 lampholes, 3 septic tanks, to R. Correll, Maywood, $32,200. Noted June 7.

Kan., Topeka—E. M. Covell, city clk. sewage disposal plant, to Carrothers Constr. Co., 6803 East 39th St., Kansas City, Mo., $281,859. Noted July 12.

Mont., Missoula—South Side Sanitary Sewerage System, to G. H. Nash & Co., Missoula, $154,884. Noted June 28.

Tex., Houston—Sewer in Leeland Ave. from Scott to Hussion Sts., to C. K. Horton, 2200 Clay St., $34,962. Est. $30,000.

Calif., Los Angeles—Los Angeles Co. Sanitary Dist. 1, vitr. sewers in South Park Ave., to Bebek & Brkich, 425 West 78th St., $38,435.

Waste Disposal

Bids Desired

Calif., Beverly Hills—Aug. 14, by B. J. Firminger, city clk., incinerator. Former bids rejected. Noted July 19.

Contracts Awarded

La., New Orleans—City Council, incinerator buildings for Plants B and C, to J. A. Petty & Sons, Godchaux Bldg., $202,570, for Plant E, to H. W. Bond & Bro., 1025 Copernicus St., $53,109; equipment to C. O. Bartlett & Snow Co., 6200 Harvard Ave., Cleveland, O. $390,000. Grand total $645,-679. Noted June 14.

Bridges

Proposed Work

Tenn., Morristown—State Dept., Hys. & P. Wks., Nashville, reconstructing bridge over Holston River, near here. H. Berry, hy. comr.

Kan., Larned—Pawnee Co., 10 span 45 ft. deck girder bridge on K. 37, Federal Aid Project 281-B. Le Roy Harris, Larned, co. engr.

Kan., Wellington — Sumner Co. preliminary plans one 30 ft. and eleven 50 ft. deck girder span or one 30 ft. and seven 80 ft. span bridge over Arkansas River, on Rd. K-12. J. W. Mavity, Court House, engr.

Mo., Bagnell—National Toll Bridge Co., 37 Wall St., New York, preliminary plans 500 ft. rein.-con., steel bridge with 3,500 ft. trestle approach over Osage River. $250,000. L. J. Sverdrup, c/o owner, ch. engr.

Okla., Duncan—Preliminary plans 4 span 86 ft. rein.-con. bridge over Pecan Creek, on Main St. $27,000. H. S. Sullivan, Lone Wolf, engr.

California—State Hy. Comn., Sacramento, 1 span 150 ft. steel bridge over Truckee River at Boca; 2 span 200 ft. steel bridge over South Yuba River, at Washington. J. F. O'Connor, Nevada City, co. surv.

Calif., Marysville—Yuba Co., bridge over main drainage canal Sutter Basin, at Subaco $8,000—bridge in Sutter Basin, at Kirksille $6,000—bridge over Bear River, at Rio Oso (financed jointly by Yuba and Sutter Counties), $50,000. W. Shearer, Marysville co. surv.

Calif., Marysville—Yuba Co. bridge over Feather River, $110,000; bridge over Teasdale Weir, $135,000. Address County Engineer, Marysville, engr.

Bids Desired

Mass., Boston—Aug. 7, by Dpt. P. Wks., widening concrete, steel bridge, Ashland St. $25,000. Former bids rejected. J. H. Sullivan, comr. Noted July 19.

Pa., McDonald—Comrs. Washington Co., Court House, Washington, taking bids 1 span 44 ft. encased beam and concrete bridge, 23 ft. over Raccoon Creek 10. $25,000. Cheney Eng. Co., Washington, engr.

Pa., Phila.—Aug. 10, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., bridges, Constr. 62—1928.

North Carolina—Aug. 7, by State Hy. Comn., Raleigh, rein.-con., bridge, culverts on Project 1642, Nash Co., $34,800—Project 600, Alexander Co., $29,500—Project

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And the Question Remains "WHERE SHALL WE PUT THEM?"

OF the twenty-nine million automobiles in use in the world, 80%—or about twenty-three million—are in the United States. In other words, this country has four times as many motor vehicles as all other countries combined.

And, according to the estimate of one automotive official, about five million more automobiles will be produced in the United States in 1928. Granting each car twenty feet of pavement space, this represents a line of automobiles extending six times across the continent!

With the nation's thorofares already crowded to suffocation, what will be the condition a few years hence, with so many millions of new cars making their bid for space annually?

Obviously, there is one answer to the problem—more road and street space; obviously also, the *economical* way of providing such space is to plan *now* with future requirements in view.

Wide roads and streets really cost nothing; records prove that the increased land values which they create more than pay for them. Yet they benefit everyone. They serve the owners of passenger and commercial cars by making travel safer, smoother and swifter and so reducing wear and tear of tires and machines and the consumption of gasoline and oil. They build good-will for the public official. They bring people into the open, encourage the sale of real estate and merchandise and thus stimulate business and the circulation of money that spells prosperity for the entire country.

To those interested, Universal will gladly mail the booklet, "Cutting the Traffic Knot," which explains and illustrates what some communities have done to relieve traffic congestion. Simply send in the accompanying coupon.

Universal Portland Cement Co.

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Concrete for Permanence

Universal Portland Cement Co., 208 South La Salle Street, Chicago

Without obligation, send me a copy of the traffic folder, "Cutting the Traffic Knot."

Name .....

Address ENR-8-2-28

Bridges (Continued)
689, Stanly Co., $58,000—Project 6320, Gaston Co., $41,000. L. R. Ames, Raleigh, engr.

Ala., Mobile—Aug. 20, by Bd. Revenue Mobile Co., bridge over Three Mile Creek, on Telegraph Rd.

Ind., Auburn—Aug. 7, by comrs. DeKalb Co., constructing Bridges 23 to 35 (inclusive). E. Dawson, aud.

Ind., Bluffton—Comrs. Wells Co. taking bids new bridges. $25,000. P. Scott, Bluffton, co. aud.

Ind., Frankfort—Aug. 6, by Bd. Comrs. Clinton Co., repairing Whiteman, Mundell, Wright and Powers Bridges. $27,000. B. D. Ogle, Frankfort, aud.

Ind., Petersburg—Aug. 7, by Bd. Comrs. Pike Co., new bridges. $28,339. T. J. Wiggs, Petersburg, aud.

Ind., Vernon—Aug. 6, by Comrs. Jennings Co., repairing Sand Creek Bridge. $201,-821. W. N. Gannon, North Vernon, co. aud.

Wisconsin—See "Streets and Roads."

Iowa—Aug. 7, by State Hy. Comn., Ames, 50 x 20 ft. and 60 x 20 ft. pony truss, 24 x 24 ft. deck girder, 32 x 24 ft. I-Beam bridges and 30 culverts, on Road 11, B-548, Buchanan Co.—two 65 x 24 ft. plate girder bridges with 5 ft. walk, Road 7, F.A.B. 51, Guthrie Co.—two 43 x 24 ft. I-beam spans and one 44 x 24 ft. I-beam spans, U. S. Road 34, B-151, Henry Co.—42 x 24 ft. I-beam bridge with two 32 x 24 ft., and two 24 x 24 ft. concrete deck girder approaches, U. S. Road 34, B-550, Lucas Co.—32 x 24 ft. deck girder with 45 culverts, U. S. Road 63, Mahaska Co.—80 x 20 ft. pony truss bridge U. S. Road 34, B-575, Montgomery Co.—75 x 20 ft. plate girder bridge with four 40 x 20 ft. concrete deck girder approaches, Road 27, B-39, Plymouth Co.—90 x 20 ft. pony truss bridge with two 40 ft. I-beam approaches, Road 2, F.A.B. 71, Washington Co.—40 x 24 ft. I-beam bridge, 13 culverts, U. S. Road 65, B-161, Worth Co.—raising one 103 ft. and one 123 x 16 ft. high truss bridge, U. S. Road 69, B-588, Decatur Co.—7 culverts, Road 59, B-103, Howard Co. R. F. White, hy. comr.

Kan., Eldorado—Aug. 15, by Clerk Butler Co., bridges, Project 96-25-K655.

S. D., Stamford—Aug. 10, at office State Hy. Comn., Pierre, repairing White River Bridge, south of here, Jones Co. O. N. Nette, hy. engr.

Mo., Independence — Centennial Bridge Co., Independence, bids about Sept. 1, 2,000 ft. rein.-con., steel bridge at Liberty Landing, on Missouri River. $950,000. J. G. White Eng. Corp., 43 Exchange Pl., New York, engrs.

Contracts Awarded

Vermont—State Hy. Dpt., Montpelier, bridge on Project 5B—F. R. Windsor Co., to Guild & Douglas, Springfield, $30,892. Noted May 31.

Pa., Phila.—See "Streets and Roads."

Pa., Pittsburgh—Comrs. Allegheny Co., 4 granite pylons on 31st St. Bridge to S. M. Siesel Co., Forbes Bldg., $48,800. Est. $50,-000. Noted Feb. 9.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete slab bridge, approaches Mahoning Co., to V. Olsen Co., Youngstown, $22,320 —concrete bridge, building approaches in Pike Co., to O. M. Junk, Chillicothe, $7,777 —concrete slab bridge, Wyandot Co., to Delaware Contr. Co., Delaware, $1,823—retaining wall Jefferson Co., to Iliff & Prugh, Cedarville, $13,481. Grand total $45,401. Noted July 12.

O., Youngstown—Bridge over Mahoning River, on West Ave., to Pittsburgh-Des Moines Steel Co., 429 Penna. Ave., Pittsburgh, Pa., $28,693. Est. $30,000.

Michigan—H. C. Fleming, resident engr., Grand Rapids, F. A. Bridge 41-17-1, C-1 and 2, 410 ft. steel deck cantilever type, Kent Co., for State Hy. Dpt., Lansing, Contr. 1, to Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis. $38,491; Contr. 2, to Peninsular Constr. Co., Grand Rapids, $118,004. Noted June 14.

Illinois—State Dept. P. Wks. & Buildings, Div. Hys. Springfield, to Powers-Thompson Constr. Co., 221 South Chicago St., Joliet, bridges in DuPage Co. $22,632; Will Co. $16,490—to Iowa Bridge Co., Eastern Blvd. and 19th St., Des Moines, Ia., Kane Co. $18,558—to Vincennes Bridge Co., Vincennes, Ind., Schuyler Co., $5,909; Iroquois Co. $11,494; Tazewell Co. $295,225; Monroe Co. $5,984—to D. A. Chernus Constr. Co., McKnight Bldg., Minneapolis, Minn., Iroquois Co. $18,888—to Dees Bros., Oblong, Schuyler Co. $46,932—to W. H. Shons, Freeport, Saline Co. $14,-349—to A. C. Woods & Co., Rockford, Saline Co. $5,955—to Ferguson Constr. Co., 218 East State St., Rockford, Pope Co. $37,-802—to Condon & Cunningham, Omaha, Neb., Hancock Co., $23,625—to Federal Bridge Co., 1001 Bankers Trust Bldg., Des Moines, Ia., Hancock Co. $20,495; Livingston Co. $31,969; Rock Island Co. $23,175—to Henkel Constr. Co., 628 M. E. A. Bldg., Mason City, Ia., Woodford and Livingston Counties, $7,744—to Snyder & Johnson, Humboldt, Ia., Putnam Co. $36,567—to Wicks Eng. & Constr. Co., Des Moines, Will Co. $44,798—to Watt Constr. Co., Winchester, Pike Co. $45,000—to Steel Bridge Co., Jacksonville, Pike Co. $10,355—to Congress Constr. Co., Chicago, Tazewell Co. $194,497. Grand total $1,036,901. Noted Mar. 29, Apr. 26 and May 30.

Ill., Chicago—Cook Co. Hy. Dept., 139 North Clark St., Plum Grove Bridge approaches, to Davidson & Doctor Co., Orland, $42,631—Little Calumet River Bridge, to Joliet Bridge & Constr. Co., Joliet, $61,424—bridge over Des Plaines River, on 26th St., to Mohawk Eng. & Constr. Co., 321 West 35th St., $84,596. Grand total $188,652.

Ill., Galesburg—See "Waterworks."

Okla., Holdenville—Suspension bridge, to Austin Bridge Co., 1813 Clarence St., Dallas, Tex., $40,660. Est. $50,000.

Washington—State Hy. Comn., Olympia—150 ft. steel through truss and two 41 ft. concrete T-beam span bridge over CleElum River, Kittitas Co., to R. A. Geary, 22 Sloan Bldg., Yakima, $30,879; two 70 ft. steel plate girder span bridge over railroad tracks, State Rd. 1, Nisqually and Pierce Counties, to W. T. Butler, 527 Central Bldg., Seattle, $64,726. Noted June 21.

California—State Hy. Comn., Sacramento, 2 rein.-con., girder bridges over Southern Pacific Ry. near Bowman, Placer Co., to Butte Constr. Co., San Francisco, $32,351—under-grade crossing, paving approaches Inter-California R.R., at Araz Junction, Imperial Co., to L. Worel, Alhambra, $29,-805. Noted July 5.

Calif., Oroville—Western Pacific R.R. Co., Mills Bldg., San Francisco, 2 rein.-con. bridges, on Huntoon and Lincoln Sts., to Utah Constr. Co., Phelan Bldg., San Francisco, $25,000.

Calif., San Diego—C. Buckman, clk. San Diego Co., bridge over Sweetwater River, at Jamacha, to R. T. Dawson, 4333 Maryland St., $60,094. Noted July 12.

Dams

Bids Desired

O., Owensville—Aug. 15, by Ash & Downing, engrs., 824 Lima Trust Bldg., Lima, dam repairs, at office, additions 1½ mi. northeast of here, Clermont Co., for W. S. Hoffman, Lima.

Contracts Awarded

Ill., Galesburg—See "Waterworks."

Railways

Proposed Work

West Virginia—Chesapeake & Ohio R.R. Co., Richmond, Va., C. W. Johns, ch. engr. and New York Central R.R. Co., 466 Lexington Ave., New York, F. B. Freeman, ch. engr., applied to Interstate Commerce Comn. for permit to build 28 mi. single track railroad from Swiss to Nallen. $4,000,000.

West Virginia—Chesapeake & Ohio Ry. Co., Richmond, Va., C. W. Johns, ch. engr., expending $9,500,000, main line tracks near Huntington; $1,000,000, track improvements and shops at Clifton Forge, Va.; $1,260,000, improving shops and tracks at Hinton.

Mississippi — Canton & Carthage R.R Co., T. Brady, Jr., genl. council Brookhaven, made application to purchase, obtain and operate 11 mi. railroad of Pearl River Valley Lumber Co. and construct 22 mi. railroad from Canton to Carthage.

Missouri—Missouri Southern R.R. Co., H. A. Radtke, genl. mgr., Leeper, constructing standard guage branch line between point near Bunker, Mo. and point on Current River.

California—Western Pacific R.R. Co., J. W. Williams, ch. engr., Mills Bldg., San Francisco, 25 mi. railroad extension from San Francisco Terminal to Redwood City $3,700,000; ultimately this line will be extended to Niles (Alameda Co.) to connect with main line; 138 mi. extension from Nilegarden in main line, 11 mi. southwest of Stockton to Kings River via Fresno $8,500,000; 3½ mi. branch line from Brack east, near Stockton $200,000. Private plans.

Contracts Awarded

South Dakota and Nebraska—Yankton & Southern R.R. Co., H. A. Doyle, atty., Yankton, 65 mi. railroad line from Yankton, S. D. to Norfolk, Neb., to Fidelity Constr. Co., 1629 North Sydenham St., Phila., Pa.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ia., Leon—Drainage Dist. 4.1 mi. open ditches, incl. 340,000 cu.yd. excav. $55,000. M. G. Hall, Centerville, consult. engr.

Minn., Minneapolis—See "Unclassified."

Ark., Osceola—Sun-Dist. 1 of Dist. 11, Mississippi Co. c/o R. E. Lee, Wilson Jr., preliminary plans 30,000 acres drainage system. $30,000. Morgan Eng. Co., Goodwyn Institute Bldg., Memphis, Tenn., engrs.

Tex., Edinburg—Mertanizz Land & Irrigation Co., c/o S. S. Smith, 225 Yale St., San Antonio, irrigating 7,000 acres north of Donna Dist. using flood waters from Rio Grande River. $150,000 or more. A. Tamm, Harlingen, engr.

Okla., Muskogee — Dirty Creek D.D. 15, Muskogee Co., 10 mi. ditch work, incl. 600,-000 cu.yd. excav. $75,000. T. P. Clonts, Metropolitan Bldg., engr.

Bids Desired

Massachusetts—Aug. 7, by Dpt. P. Wks., State House, Boston, dredging 24,000 cu.yd. at Cohasset and Scituate. W. F. Williams, comr.

O., Cincinnati—Aug. 27, at office C. O. Sherrill, city mgr., levee, necessary appurtenances at Municipal Airport, extending along Little Miami River from Beechmont Ave., to P.C.C. & St. L. R.R.; adv. E. N.-R. Aug. 2.

Illinois—Aug. 22, at office Dpt. Purchases & Constr., Div. Waterways, Springfield, work on Brandon and Dresden Island Pools, Contr. 3, 5 and 6. L. D. Cornish, ch. engr.; adv. E. N.-R. Aug. 2.

Calif., Westley—Aug. 11, by E. Smith, secy. West Stanislaus Irrigation Dist., finishing to neat lines 300,000 sq.ft. canal excav. for concrete lining.

Contracts Awarded

Mass., Charlestown (sta. Boston)—U. S. Gypsum Co., S. L. Avery, pres., 300 West Adams St., Chicago, Ill., excavation for 10 buildings, manufacturing plant, at Mystic Docks, to J. H. White Contrg. Co., 56 Ellery St., Cambridge. Est. $25,000 or more. Noted May 3 under "Buildings Industrial."

Pa., Phila.—Dpt. Wharves, Docks & Ferries, Municipal Pier 3, South Wharves, R. Weglein, dir., Schulkill River Bulkheads, Schedule C and D, to J. E. Brenneman Co., North American Bldg., $248,206 and $299,-419 respectively. Noted July 12 under "Unclassified."

Illinois — Clayton-Bennington D. D., Woodford and Marshall Counties, c/o W. Meierhofer, Minonk, 540,000 cu.yd. excav. in main and lateral ditches, to W. F. Sternberg Co., Piper City, $13,712. Noted July 5.

Ill., Lincoln—Lower Salt Creek D. D., dredging 16 mi. Lower Creek, 60 ft. wide at top, 40 ft. wide at bottom, 20 ft. beams, to F. M. Crane Constr. Co., 210 South 24th St., 2 bridges, to E. H. Reibe, Lincoln. Total $166,971.

Calif., Long Beach—Seawall along Bluff Park, to Torson Constr. Co., 1290 West Anaheim St., $47,000.

Calif., Westley—E. Smith, secy. West Stanislaus Irrigation Dist. pumps and motors to Pelton Water Wheel Co., 2929 19th St., San Francisco, $79,278—transformers, to General Electric Co., Rialto Bldg., San Francisco, $24,887—installing pumps, motors and control, also transformers to Butte Electric Equipment Co., 530 Folsom St., San Francisco, $17,088 and $4,055 respectively. Grand total $125,308. Noted June 14.

Calif., Westley—West Stanislaus Irrigation Dist., 68 mi. lateral canals, to Snowden, 2105 East 25th St., Los Angeles, $63,356.

Constr. News page 57

"OK" Say Cities in OKLAHOMA

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Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., State House, Boston, rejected bids July 3, rein.-con. paving 1,160 ft. hy. in Norwood. Will readvertise. W. F. Williams, comr. Noted June 28.

Massachusetts — Dpt. P. Wks., State House, Boston, soon takes new bids rein.-con. paving 4,108 ft. hy. in Malden and Medford. Former contract rescinded. W. F. Williams, comr. Noted July 26.

Mass., Waltham (Ind. br. **Boston**)—Soon takes bids concrete paving 4,500 ft. Main St. H. F. Beal, mayor.

N. J., Bergenfield—Bd. Boro Council, Boro Hall, grading, 2 in. Topeka on 6 in. concrete paving Beverly and Berwin Places. $25,000. D. C. Boswell, 128 North Washington Ave., boro engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, setting curbing sheet asphalt on 6 in. concrete paving Trotters Lane and Parker Rd. $25,000. T. Collins, City Hall, engr.

N. J., Fair Lawn—Bd. Boro Council, School House, bituminous macadam paving Henderson Blvd. and Highview Ave. $25,-000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engr.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete, or 7 in. rein.-con. paving Arthur and Center Sts. $27,165. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., Hillside (br. Elizabeth) — Twp. Comn., Municipal Bldg., curbing, sheet asphalt on 6 in. concrete or 7 in. rein.-con. paving Munn Ave. $41,590. C. Luster, 286 North Broad St., Elizabeth, top. engr.

N. J., Orange—Essex Co. Park Comn., 810 Broad St., Newark, sheet asphalt on concrete paving Cherry Lane. $55,000. Private plans.

N. J., Ridgefield Park—Bd. Boro Comrs., Municipal Bldg., rejected bids, July 24, concrete paving Brewster Ave. $25,000. Will readvertise. D. C. Boswell, 6 Mt. Vernon Ave., boro engr.

N. J., Roselle (Ind. br. Elizabeth)—Bd. Freeholders Union Co., Court House, Elizabeth, curbing, 8 in. rein.-con. paving 1.705 mi. South Ave. $50,000. J. L. Bauer, Court House, Elizabeth, c/o engr. Noted June 7.

N. J., Roselle Park (Ind. br. Elizabeth) —Boro Council, paving 2 mi. Westfield Ave. J. W. Higgins, Roselle Park, engr.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., grading, curbing, 6 in. single line concrete paving Roosevelt St. and Chestnut Pl. $29,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr.

N. J., Tenafly—Bd. Boro Council, Boro Hall, grading, concrete paving Gordon Ave. $25,000. W. G. Clark, 9 Hillside Ave., boro engr.

Ala., Birmingham—Paving 5,000 ft. 27th Ave. N., and 77th St. $121,100. A. J. Hawkins, city engr.

Miss., New Albany—Union Co. preliminary plans grading, graveling 100 mi. roads. $400,000.

La., New Orleans—Grading, brick, concrete or asphalt paving Claiborne Ave., Cambronne, Calhoun, Burdette, Bienville and Bway. Sts. $490,000.

O., Columbus—Franklin Co., F. R. Donnally, clk., grading, waterbound macadam paving 0.21 mi. Charles Ave. 2, 16 ft., Sharon Twp., $6,296—3,057 mi. David Taylor Rd. 3, 16 ft., Jefferson Twp., $60,-238—bituminous macadam paving 0.154 mi. Northwest Blvd., 24 ft., Clinton Twp., $6,959. C. C. Lattimer, c/o surv.

O., Columbus—W. H. Duffy, dir. Serv., cancelled bids to have been opened July 10, grading, brick or asphalt paving Arcadia Ave. and Mansfield St.

Ind., Anderson — Madison Co., concrete paving 1¼ mi. Golf Club Rd., 20 ft. $46,000. A. B. Steele, Anderson, engr.

Mich., Escanaba—Concrete curbing, one course concrete paving 16,985 sq.ft. 4th, 6th, 8th and 13th Sts. $50,000. A. Aronson, City Hall, engr.

Ill., Venice—Soon takes bids grading, curbing, concrete paving 1 mi. 4th St. $25,000.

Ia., Davenport—City, c/o F. A. Hass, city clk., 6 in. concrete paving alley $720—2 in. sheet asphalt or asphaltic concrete on old base paving Jersey Ridge Rd., $49,-343—Fair Ave. $8,369—Pleasant St., $3,066—8 in. rein.con. paving Hillcrest Ave. $5,-418—Lincoln Ave. $19,695—7 in. concrete paving Spring St. $3,667.

Kan., Eldorado—Butler Co. soon takes bids grading, bridging 5.433 mi. Federal Aid Project 239-C, 30 ft. E. S. Elcock, Court House, engr.

Kan., Hutchinson—Reno Co. soon takes bids grading, concrete paving 3.848 and 3.467 mi. Federal Aid Project 399, B and C, 18 ft. W. A. Stacey, Court House, engr.

Kan., Independence — Montgomery Co., grading, culverts 6.312 mi. K 166, Federal Aid Project 285-C, 30 ft. J. E. Courtright, Independence, co. engr.

Mo., Higginsville — Preliminary plans grading, curbing, concrete paving 8 blocks Bob St. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Ark., Arkadelphia — Preliminary plans grading, guttering, concrete, asphalt, asphaltic concrete or brick paving 30 blocks Paving Dist. 5. F. A. Gerig, Arkadelphia, engr.

Ark., Conway—Concrete paving. Address Bd. Aldermen.

Ark., Siloam Springs—Preliminary plans grading, curbing, hard-surfacing 8 blocks Paving Dist. 6 (North Maxwell, Madison and intersecting Sts.) $35,000.

Ark., Wynne—Preliminary plans grading, curbing, concrete, asphalt, asphaltic concrete or brick paving 5 mi. Paving Dist 2.

Tex., Anahuac — Chambers Co., grading, bridging 19.065 mi. Hy. 125 from Jefferson Co. line to Hy. 61. $110,000. E. L. Scherer, Anahuac, engr.

Tex., Brownsville—Southwest Development Corp., c/o D. W. Royhensies, genl. mgr., Goshen, N. Y., grading, dredging, constructing dam, bridging 6 mi. road, Grove Park, near here. A. E. Anderson, Brownsville, engr.

Tex., Houston—Harris Co. crushed rock surfacing 87,506 sq.yd. Sect. 2 Westheimer Rd. $75,000. A. J. Wise, Houston, engr.

Tex., Houston — Constructing Lockwood St. from Navigation to Clinton Sts. $200,-000. J. C. McVey, city engr.

Tex., Palestine — Anderson Co., grading, bridging 8.448 mi. Hy. 43, Federal Aid Project 453-E, Unit 1, 26 ft. $54,200. C. H. Kendall, Palestine, resident engr.

Tex., Waxahachie—Ellis Co., grading, bridging 4.077 mi. Waxahachie-Hillsboro Rd. $27,000, 8.281 mi. F.A.P. 487E $45,000, both on Hy. 6. W. A. Spalding, Waxahachie, co. engr.

Okla., Altus—Grading, concrete paving 7,100 sq.yd. Hudson St. $28,460. J. C. Shisum, Altus, engr.

Okla., Duke—Grading, concrete paving 10,200 sq.yd. Bway. and Main Sts. $40,-880. H. S. Sullivan, Lone Wolf, engr.

Okla., Duncan—Grading, concrete paving 7,400 sq.yd. West Main St. $27,600. H. S. Sullivan, Lone Wolfe, engr.

Okla., Norman—Grading, concrete paving 11,000 sq.yd. Southridge addition. $31,660. F. Cobb, Norman, engr.

Okla., Oklahoma City—Rejected bids grading, paving 5 blocks Kate St., 36 ft. $28,462. W. W. Small, City Hall, engr. Noted Mar. 22.

Okla., Shattuck—Grading, concrete paving 8,100 sq.yd. Araphoe and 1st Sts. $26,-000. Engineer not selected.

Okla., Tahlequah—Grading, concrete paving 8,800 sq.yd. Dist. 5. $26,118. T. P. Clouts, Muskogee, engr.

Okla., Tipton—Grading, concrete paving 8,500 sq.yd. West Main St. $26,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Hanford—Kings Co., grading, paving vicinity Lemoore High School, 163 tons asphaltic concrete. R. May, Hanford, co. surv.

Calif., Hillsborough (mail Redwood City) —Paving. $50,000. G. A. Kneese, Court House, Redwood City, engr.

Calif., Inglewood — Grading, curbing, walks, guttering, macadam paving 28,344 sq.ft., 6 in. concrete paving 38,745 sq.ft. Stella and Augusta Aves. W. Pfeffer, city engr.

Calif., Merced—Merced Co., asphaltic concrete or asphaltic macadam paving La Grand Rd. Sect. 1. $50,000. W. E. Bedesen, Shafer Bldg., engr.

Calif., San Diego—Common Council, grading, curbing, sidewalks, 6 in. concrete paving 202,692 sq.ft. College and other streets. H. W. Jorgensen, city engr.

Calif., Ukiah—Curbing, guttering, 1½ in. warrenite on 2½ in. asphalt paving 762,309 sq.ft. R. E. Donohoe, city engr.

Ont., Hanover — Concrete paving, new sewerage system. $100,000. Ontario Eng. Co., Port Colborne, engrs.

Ont., Pembroke—Dpt. Northern Development, Province of Ontario, soon takes bids graveling 15 mi. Pembroke—Mattawa Rd. $75,000—$100,000. C. H. Fullerton, Parliament Bldgs., Toronto, ch. engr.

Ont., Toronto—Extending ¾ mi. Mount Pleasant Rd., incl. grading, sidewalks, 66 ft. $30,000. R. C. Harris, City Hall, engr.

Bids Desired

Massachusetts—Aug. 7, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 17,925 ft. hy. in Richmond and West Stockbridge—5,126 ft. Methuen—3,175 ft. Georgetown—9,785 ft. Ayer—6,705 ft. Holden—13,375 ft. Abington and Whitman—gravel and bituminous macadam paving 3,131 ft. Royalston—bituminous macadam or rein.-con. paving 7,500 ft. Lowell—bituminous concrete paving 900 ft. Barnstable—rein.-con. paving 4,108 ft. Malden and Medford. W. F. Williams, comr.

Mass., Boston—Aug. 7 by Dpt. P. Wks., sheet asphalt or bitulithic paving Parker St., Ward 10. $25,000. J. H. Sullivan, comr.

Mass., Brookline (br. Boston)—Aug. 6, by Bd. Selectmen, Town Hall, sheet asphalt paving Brookline Ave.; grading Acron Rd. $25,000 or more.

Mass., New Bedford—Aug. 7, by Street Dpt., W. P. Hammersley, supt., bituminous concrete paving 22,487 sq.yd.

N. Y., Brooklyn—Aug. 7, by Park Bd., W. R. Herrick, pres. Dpt. Parks, Arsenal Bldg., Central Park, New York, repaving roadway and sidewalk area Bushwick Parkway between Myrtle Ave and Pilling Sts.; sheet asphalt repaving outside railroad area south side Park Circle.

N. Y., Brooklyn—Aug. 8, by J. J. Byrne, pres., Brooklyn Boro, Boro Hall, curbing, flagging East 95th St.—grading Sea View Ave.—grading, curbing, sheet asphalt on concrete repaving Linden Blvd., East 36th St., Throop, Remsen and Marcy Aves.

N. Y., New York—Aug. 6, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete paving East 168th and Hawkstone Sts., Whitlock, Manor and Hull Aves.

N. Y., New York—Aug. 9, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, granite block on concrete paving 9th Ave., Pine and Walker Sts.; sheet asphalt on concrete paving Madison and Park Aves., 204th, 205th and 206th Sts.; concrete sidewalks, 6 in. granite curbing Greenwich Ave.

N. Y., Syracuse—Aug. 6, by Contr & Supply, City Hall, grading, sidewalks on 66,580 sq.ft Sunnycrest Rd., Erie Blvd., North Midler and Warham Sts., Spauling and Hickock Aves.; grading 10,390 cu.yd. Willumae Dr., Cadillac St., Brighton Ave. and Meacham School Grounds. N. F. Pitts, Jr., State Tower Bldg., engr.

New Jersey — Aug. 20, by State Hy. Comn., Trenton, grading, recut granite block surfacing 6,344 sq.yd. Route 9, Sect. 11A, Dunellen Boro; grading, bituminous concrete on macadam paving 5,277 sq.yd. Route 25 (1927) Sect. 5, Raritan River Bridge to Amboy Ave., both Middlesex Co. A. L. Grover, ch. clk., adv. E. N.-R. Aug. 2.

N. J., Hackensack—Aug. 6, by Hackensack Impvt. Comn., Municipal Bldg., grading, bituminous macadam Marvin Ave. $65,000. F. Campbell, 167 Main St., city engr

N. J., Hackensack—Aug. 6, by Hackensack Impvt. Comn., Municipal Bldg., grading, curbing, guttering, sidewalks, 6 in. penetration macadam paving Standish Ave. $90,000. F. Campbell, city engr. Noted May 10.

N. J., Hammonton—Aug. 13, by W. R. Seely, town clk., Town Hall, curbing, sidewalks. J. A. Baker, town engr.; adv. E. N.-R. Aug. 2.

N. J., Newark—Aug. 7, by Bd. Freeholders Essex Co., Hall of Records, grading, curbing, 8 in. concrete paving Vaux Hall Rd. and Springfield Ave. $25,000. W. H. Stickel, Hall of Records Bldg., c/o. engr.

N. J., New Brunswick—Aug. 7, by Bd. Freeholders Middlesex Co., sheet asphalt or asphalt block on concrete paving Brookside Ave., Delevan, Ward, Loretto and Rutgers Sts. $75,000. A. Atkinson, New Brunswick, co. engr.

N. J., Plainfield — Aug. 6, by Common Council, City Hall, resetting curbs, guttering, sidewalks, 7 in. bituminous macadam paving Elizabeth St., Stella, Pemberton, Kenyon, Central and Stillman Aves. $50,000. A. Vars, city engr.

N. J., Union—Aug. 6, by Twp. Comn., Town Hall, grading, curbing, 6 in. rein.-con. paving Balmoral Ave., Ernst and Long Terraces. $35,000. H. Kreh, Falls Bldg., engr. Noted May 31.

Pa., Forest Hills (mail Phila.)—Aug. 8, by E. S. Small, boro secy., grading, curbing, rein.-con. paving 2,100 sq.yd. Atlantic Ave. $25,000. J. B. Fraase, 510-11 Shields Bldg., Wilkensburg, engr.

Pa., Pittsburgh—Aug. 5, by City Controller, City-County Bldg., repaving Francis St. between Center St. and Wylie Ave. $25,-000—grading, curbing, paving Liedertafel St. between Haarlander St. and city line. $27,600—Schenley Ave. between North Mathilda and Mossfield Sts. $58,000.

Pa., Pittsburgh — City Controller, City-County Bldg., bids about Aug. 5, grading, curbing, paving Irvine St. between Greenfield St. and Hazelwood Ave.; elimination grade crossing at 2nd Ave. $280,000.

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Streets and Roads (Continued)

Md., Baltimore—Aug. 8, by Bd. Awards, sheet asphalt paving 9,550 sq.yd. Contr. 476, N. L. Smith, Municipal Office Bldg., hys. engr.

Md., Baltimore—Aug. 8, by Bd. Awards, concrete paving 11,850 sq.yd. Contr. 475, N. L. Smith, Municipal Office Bldg., hys. engr.

North Carolina — Aug. 7, by State Hy. Comn., Raleigh, grading, concrete or asphaltic concrete paving 6.8 mi. Project 7381, Forsyth Co., $155,780—5.29 mi. Project 6521, Mecklenburg Co., $135,200—9.12 mi. Project 1061, Bertie Co., $176,700—7.96 mi. Project 1470, Bertie and Hertford Counties, $139,-313—9.34 mi. Project 2071, Craven Co., $203,590—18.26 mi. Project 225, Duplin Co., $271,400—10 mi. Project 3090, Bladen Co., $153,310—13.57 Project 359, New Hanover Co., $217,000—6.1 mi. Project 3370, Cumberland Co., $82,830—3.05 mi. Project 5030, Alamance Co., $69,562—4.29 mi. Project 5410, Guilford Co., $73,399—8.41 mi. Project 6230 Catawba Co., $182,680—8.71 mi. Project 6352, Gaston Co., $217,300—grading, top-soiling 10.24 mi. Project 689 Stanley Co., $62,400—6.67 mi. Project 6000, Alexander Co., $48,000—8.7 mi. Project 5530, Montgomery Co., $30,810—6.41 mi. Project 5830, Randolph Co., $41,700—4.96 mi. Project 4542, Orange Co., $31,000—6.15 mi. Project 451, Lee Co., $36,800—grading 17.81 mi. Project 1900, Tyrrell Co., $138,409—grading causeway at Wilmington, Project 355, New Hanover Co., $138,409—grading causeway at Wilmington, Project 355, New Hanover Co., $61,307. L. R. Ames, Raleigh, engr.

Ga., Barnesville—Aug. 6, by Mayor and City Council, City Hall, grading, curbing, concrete paving 15,000 sq.yd. Thomaston and Forsythe Sts. Widman & Singleton, 1404 Candler Bldg., Atlanta, engrs.

Ga., Summerville—Aug. 11, by City Clerk, paving, $50,000. E. V. Camp & Associates, 215 Moreland Ave. N. E., Atlanta, engrs.

Mississippi—Aug. 13, by State Hy. Dept., Jackson, clearing, grubbing, grading, gravveling 1.54 mi. State Aid Project 97-B Extension. G. A. Draper, hy. engr.

Miss., Belzoni—Aug. 9, by Bd. Supervs. Humphreys Co., c/o Chancery Clerk, concrete paving 37,885 sq.yd. rein.-con. paving 8,200 sq.yd. Federal Aid Project 179-C. G. A. Draper, hy. engr.

Miss., Europa—Aug. 7, by Bd. Aldermen, c/o T. B. Foard, city clk., grading, curbing, sewers, concrete paving 17,100 sq.yd. M. L. Culley, Lampton Bldg., Jackson, engr.

Miss., Jackson — Aug. 8, by Hinds Co., improving Edwards-Utica Rd., 6,500 cu.yd. excav., 10,000 units overhaul, 508 cu.yd. gravel, 7,000 cu.yd. overhaul; grading, concrete paving 0.525 mi. Raymond-Utica Rd. R. M. Stringer, Lampton Bldg., Jackson, engr.

O., Cincinnati—Aug. 10, by Comrs. Hamilton Co., grading, sidewalks, concrete repaving 22,896 sq.yd. Madison Rd. $92,736. Noted July 19.

O., Cincinnati—Aug. 10, by Comrs. Hamilton Co., grading, concrete repaving 35,200 sq.yd. South Fork of Taylor Creek Rd., 20 ft., $190,081. E. A. Gast, Court House, engr.

O., Cleveland Heights (Warrensville P. O.) —Aug. 6, by City, paving Coventry and Northampton Rds. To exceed $25,000. F. A. Pease Engr. Co., Terminal Tower, Cleveland, engrs.

O., Medina—Comrs. Medina Co., bids about Aug. 26, slag paving Cleveland-Hinckley-Medina Rd. $60,078.

Ind., Bloomington — Aug. 7, by Comrs. Monroe Co., gravel, macadam, brick or crushed stone paving 7,080 ft. William Mercer Rd., $11,000—9,140 ft. G. W. Stewart, Rd., $14,340—22,388 ft. J. S. Bastian Rd., $39,800. A. Eller, aud.

Ind., Columbus—Aug. 16, by Bd. Comrs. Bartholomew Co., at office C. W. Talley co. aud., constructing Pearl E. Fisher Rd., Columbus Twp.

Ind., Evansville—Aug. 3, by Bd. Pub. Wks., S. W. Klein, clk., grading, asphalt, brick, rein.-con. or asphaltic on 6 in. cement paving Gum, Mulberry, and Iowa Sts.; brick, rein.-con. or concrete paving alley between Washington and Adams Aves.

Ind., Frankfort—Aug. 6, by Comrs. Clinton Co., concrete paving H. H. Morton Rd., $13,945; D. P. Fisher Rd., $21,152. B. D. Ogle, Frankfort, aud.

Ind., Peru—Aug. 18, by Bd. Comrs. Miami Co., 2 in. sheet asphalt on concrete paving 8,381 ft. T. M. Ginney Rd. 26, Peru Twp. G. Hostetler, aud. Miami Co.

Ind., Terre Haute—Aug. 6, by Bd. Comrs. Vigo Co., C. C. Pinson, aud. improving 4 mi. hy. in Fayette Twp. $131,000.

Ind., Tipton—Aug. 3, by Common Council, at office N. D. Smith, city clk., sidewalks, concrete paving Independence St.

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Ind., Valparaiso—Aug. 7, by Bd. Comrs. Porter Co., grading, concrete, brick or asphalt paving H. R. Gundor Rd. $64,420—5.318 ft. J. G. Bauer Rd., $14,030—2.907 mi. H. E. Lindster Rd. $34,146. C. A. Blanchly, Valparaiso, aud.

Ind., Vincennes—Aug. 7, by Bd. Comrs. Knox Co. at office G. W. Donaldson, aud., improving D. Frank Culbertson et al. county unit Rd. or George Rogers Clark Memorial Blvd., $161,692—D. Frank Culbertson et al. Rd., $38,538—D. Frank Culbertson Rd. 2, $10,190.

Mich., Halfway—Aug. 8, by A. J. Wendt, village clk. grading, 8 in. concrete slab paving 2 mi. Kelly Rd., 24 ft. $60,000. R. H. O'Mara, Halfway, engr.

Mich., Royal Oak (Ind. br. Detroit)—See "Sewers."

Ill., Niles Center—Aug. 7, by City, paving West Dempster St. and Gross Park Rd.; sewer in Laramie Ave.; watermains in Paramount and Laramie Aves. Consoer, Older & Quinlan, 222 North Wells St., Chicago, engrs.

Ill., Riverside—Aug. 6, by Village, concrete paving 14,000 sq.yd. Fairbanks and Scottswood Rds. $61,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Toulon—Stark Co. bids about Aug. 15, grading, curbing, rein.-con. paving 8 blocks Franklin and Miller Sts., 27 ft. $34,000. J. L. Duran, Court House, engr.

Ill., Washburn — Bids about Aug. 15, widening, grading, curbing, rein.-con. paving 8 blocks Jefferson St., 30 and 60 ft. $25,000. J. L. Duran, Court House, Toulon, engr.

Wisconsin—Aug. 8, by State, Greene and Dane Co. Hys., Capitol Annex, Madison, concrete paving 5,760 sq.yd. Shullsburg-Monroe Rd., S.T.H. 20, Federal Aid Project 374-E, Greene Co.; 4,170 sq.yd. Sun Prairie Overhead, S.T.H. 19, Federal Aid Project 387-B, Dane Co., incl. overhead strducture. A. L. Hambrecht, div. engr.

Wisconsin—Aug. 9, by State and Calumet County Hy. Comns., Div. Office 3, Nicolet Bldg., Green Bay, constructing New Holstein-Kiel Rd., Federal Aid Proect 346-B, Calumet Co., incl. concrete deck girder span bridge over Chicago, Milwaukee & St. Paul Railroad, on S.T.H. 57. D. F. Culbertson, div. engr.

Iowa—Aug. 7, by State Hy. Comn., Ames, graveling 15 mi. Project P-28, 4 mi. Project F173 and 8 mi. P-472, Primary Road 25, Adair Co.—3.41 mi. Primary Road 51, P-29, and 13.98 mi. same road F-170, Alamakee Co.—grading 7.092 mi. Primary Road 11, P-548-B, Buchanan Co.—2.188 mi. Road 19, P-565, Clayton Co.—2.173 mi. Road 59, P-103, Howard Co.—12.542 mi. U. S. Road 65, P-490, Wayne Co.—6.593 mi. U. S. Road 65, P-555-DE, Worth Co.—paving 16.463 mi. U. S. Road 63, P-510, B, C and D, Mahaska Co.—sewer drains, grading railroad crossing Project 566, P-496, and Project 565, P-475, Appanoose Co.—Project 390, P-553, Fayette Co. R. F. White, hy. comnr.

Ia., Anamosa—Aug. 14, at office F. S. Yetter, maintenance supt., resurfacing 4,500 cu.yd. Primary Road 117.

Ia., Carroll—Aug. 6, at office Auditor Carroll Co., graveling 3,500 cu.yd. Breda Rd. J. F. Maher, Carroll, engr.

Ia., Clinton—Aug. 8, at office Auditor Clinton Co., crushed stone surfacing 4.23 mi. Wheatland-Big Rock Co. Rd.; 4.6 mi. Goose Lake, Preston Co. Rd.

Ia., Des Moines—Aug. 6, by City Clerk, sheet asphalt, concrete or vibrolithic concrete paving 3,635 sq.yd. West 37th St.—sheet asphalt, concrete, vibrolithic concrete or brick paving 18,928 sq.yd., Pennsylvania, Royle, West 2nd Sts.—grading 2,900 cu.yd. Merle Hay Rd. J. M. Tippee, City Hall, engr.

Ia., Guthrie Center—Aug. 7, at office Auditor Guthrie Co., improving Secondary Road System 5, 6,900 cu.yd. gravel, 43,200 units overhaul, 1,000 cu.yd. stripping.

Ia., Ida Grove—Aug. 10, at office Auditor Ida Co., graveling 6.4 mi. Ida Grove Rd. G. S. Witters, Ida Grove, engr.

Ia., Jefferson—Aug. 7, at office Auditor Greene Co., graveling 23.75 mi. 5 projects.

Ia., Lisbon—Aug. 14, by C. R. Runkle, town clk., grading, curbing, guttering, 7 in. rein.-con. paving 11,000 sq.yd. $26,114. Howard R. Green Co., Bever Bldg., Cedar Rapids, engrs.

Ia., Mt. Pleasant—Aug. 7, at office Auditor Henry Co., grading 20,457 cu.-yd. C. E. Smith Mt. Pleasant, c/o. engr.

Ia., Pocahontas—Aug. 9, at office Auditor Pocahontas Co., improving Sect. E county line road, 9,184 cu.yd. excav., 1,617 units overhaul.

Minn., St. Paul—Aug. 7, by K. L. Fieseler, city purch. agt., paving Payne Ave. between bridge over Omaha Ry. and Jessamine St. $65,000. J. W. Kelsey, city engr.

Kan., Anthony—Aug. 24, by Clerk Harper Co., grading, culverts 8,918 mi. Federal Aid Project 361-B, 28 ft. To exceed $2,000. H. K. Shideler, Anthony, co. engr. Noted July 5.

Kan., Belleville—Aug. 20, by Republic Co., grading, culverts 5.457 mi. Sect. A and 6.416 mi. Sect. B Federal Aid Project 313, 30 ft. To exceed $50,000. J. O. Gunnels, Belleville, co. engr. Noted July 19.

Kan., Cottonwood Falls—Aug. 17, by Clerk Chase Co., grading, concrete paving 6.012 mi. Sect. E and 2.406 mi. Sect. F Federal Aid Project 357, 30 ft. To exceed $50,000. H. W. Wilkinson, Cottonwood Falls, co. engr.

Kan., Independence—Aug. 16, by Clerk Montgomery Co., grading, culverts 6.312 mi. Federal Aid Project 285-C, 30 ft. To exceed $25,000. J. E. Courtright, Independence, co. engr.

Kan., Marion—Aug. 14, by Clerk Marion Co., sand-gravel surfacing 7.461 mi. Project 50 S-25-K 646.

Kan., Phillipsburg — Aug. 13, by Clerk Phillips Co., grading, bridging 2.5 mi. Project 9-4-K 611.

Ark., Magnolia — Comrs., Street Impvt. Dist. 2 (North Jackson)., A. R. Buffington, chn., bids about Aug. 15, grading, sewers, 1:2:3 in. rein.-con. paving 11,200 sq.yd. $35,000. Former bids rejected. J. W. Haynes, Quachita Hotel Bldg., Camden, engr.

Tex., Amarillo—Potter Co. taking new bids one course inverted surface treating 53,000 yd. Refinery and Cliffside Rds. J. W. Ryder, Amarillo, engr.

Tex., Dallas—Aug. 13, by C. E. Gross, aud. Dallas Co., grading, concrete paving West Commerce St. Rd.

Tex., Pampa—Aug. 15, by City, grading 12 mi. Borger Rd. $30,000. C. L. Hasie, Memphis or Pampa, engr.

Okla., Mangum—Aug. 10, by W. C. Roberts, city clk., grading, concrete paving 9,048 sq.yd. Harrison St. $25,000. E. W. Gantt, 1116 Main St., Oklahoma City, engr.

Okla., Wewoka—Aug. 10, by E. J. McBride, city clk., grading, concrete paving 21,400 sq.yd. Plum, Sycamore and Spruce Sts. $72,620. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Nevada—Aug. 8, by State Hy. Comn., Carson City, 639,874 gal. asphaltic fuel oil on 40.39 crushed rock or gravel roads, Clark Co. S. C. Durkee, hy. engr.

California—Aug. 15, by C. H. Purcell, hy. engr., Sacramento, concrete paving 4 mi. Sacramento-Stockton Hy. near Arno, Sacramento Co., $140,000 scarifying asphalt surface 14 mi. Hy. between Tracy, San Juaquin Co. and Livermore, Alameda Co., $25,000.

California—Aug. 15, by State Hy. Comn., Sacramento, gravel surfacing 7.7 mi. road between Butte Creek and Biggs Rd., Butte Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

California—Aug. 15, by State Hy. Comn., Sacramento, grading, concrete paving 4 mi. road between Galt and point 1 mi. south of Arno, Sacramento Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Auburn—Bids about Sept. 1, grading, paving 7 mi. $100,000. J. Barieu, Auburn, engr.

Calif., Berkeley—E. M. Hann, city clk., taking bids grading, curbing, guttering, 2½ in. asphaltic concrete on 4 in. rock paving 60,000 sq.ft. Ada and Acton Sts. A. J. Eddy, city engr.

Calif., Los Angeles—Aug. 13, by Superv. Los Angeles Co., grading, curbing, guttering, 12,849 ft. 8 in. 63,900 sq.yd. 6- to 8-in., and 157,069 sq.ft. 7- to 10-in. concrete paving Anaheim-Telegraph Rd. and Eastern Ave.

Calif., Redwood City—W. A. Price, city clk., taking bids grading, curbing, walks, asphaltic concrete paving King and Jeter Sts. To exceed $25,000. C. L. Dimmitt, city engr.

Contracts Awarded

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 26,327 ft. hy. in Brimfield and Monson to Arute Bros., 499 South Main St., New Britain, Conn., $222,104—6,123 ft. Mattapoisett, to Washburn & Sheridan, East Taunton, $28,465—1,985 ft. Milton, to T. J. McCue, Watertown, $27,694—2,860 ft. Lynnfield, to M. McDonough, Swampscott, $25,-688—3,450 ft. Medfield, to Middlesex Constr. Co., Framington, $19,203—gravel, bituminous macadam paving 3,400 ft. Millis, to T. F. Malloy, Medway, $15,971—gravel broken stone paving 3,375 ft. Newbury, to J. E. Watkins, Amesbury, $7,120—rein.-con. paving 2,350 ft. Palmer, to N. H. Road Constr. Co., Inc., 70 College St., New Haven, Conn., $91,155—1,160 ft. Norwood, to Guaranty Constr. Co., Shirley, $25,497. Grand total $462,897. Noted July 12.

Massachusetts — Dept. P. Wks., State House, Boston, bituminous macadam paving

Streets and Roads (Continued)

5,400 ft. hy. in Groveland, to W. T. Duffee, Haverhill, $22,901—14,400 ft. Florida and 15,868 ft. Amherst and Hadley, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $131,374 and $97,256 respectively—3,290 ft. Blanford, to A. G. Bianchi, 98 Lincoln Park, Longmeadow, $30,433—9,253 ft. Newburyport, to Welch & Moynihan, 15 Front St., Salem, $52,943—18,544 ft. Dartmouth and Westport, to Greany & Sherry, 825 Davol St., Fall River, $138,886—gravel, bituminous macadam paving 3,150 ft. Blackstone, to M. F. Sullivan, Millville, $9,197—rein.-con. paving 950 ft. Littleton, to Greenough Constr. Co., South Acton, $9,334—bituminous concrete paving 6,675 ft. Harwich, to H. L. Thomas, Hyannis, $21,-267. Grand total $513,591. Noted July 5.

Mass., Boston — Bituminous macadam paving Cambridge St., Ward 2, to A. De Stefano & Sons, 288 Summer St., East Boston, $28,642. Noted Apr. 19.

Mass., Boston—Metropolitan Dist. Comn., bituminous macadam roadway between Turtle Pond and West Boundary Rds., Stony Brook Reservation, to E. C. Sargent, 16 Saville St., Quincy, $20,077. Est. $25,000.

R. I., Providence—Bd. Contr. & Supply, constructing Early, Salina, Suffolk and Lynch Sts., to I. Capaldi, 47 Marietta St., $11,578—Fairfield Ave. and Leah St., to J. Ambrose, 1100 Pontiac Ave., Auburn, $4,653—Grass St., to Gallo Bros., Inc., 135 Ontario St., $1,824—Garfield, Higgins and Oakland Aves., to J. H. Ferguson Co., 289 Chapman St., $14,074. Grand total $32,129.

Conn., New Haven — Bituminous macadam paving Hillhouse St., to J. Morrissey, 188 Greenwich Ave., $5,100; Lloyd, Pierpont and Townsend Sts., to W. J. Montgomery, Inc., 66 Anderson St., $46,475. Noted July 5.

New York—A. W. Brandt, comr., Albany (**e.e. means engineer's estimate**), bituminous macadam paving Fulton Co., to C. D. Murray, 701 Westcott St., Syracuse, $168,-733 e.e. $217,658—11.14 mi. in Delaware and Schoharie Counties, to P. J. Meade Eng. & Constr., Inc., 884-6th Ave., New York, $511,411 e.e. $736,008—concrete and bituminous paving 4.32 mi. Erie Co., to W. J. Gallagher Medina, $505,922 e.e. $691,070—concrete paving 3.05 mi. Westchester Co., to P. Luciano & Son, Inc., White Plains, $297,-431 e.e. $381,691—6.21 mi. Saratoga Co. and 0.32 mi. Montgomery Co., to S. A. Scullen, Inc., Cohoes, $489,999 and $24,952 respectively, e.e. $659,379 e.e. $27,542 respectively—3.41 mi. Erie Co., to Harrison Eng. & Constr. Corp., Ellicott Sq., Buffalo, $284,520 e.e. $374,344—4 mi. Wayne Co., to McKibben Rockwell Corp., Hornell $139,938 e.e. $192,452—4.55 mi. Orange Co., from L. C. Carchia, Cold Springs, $216,840 e.e. $305,199—4.11 mi. Essex Co., to H. W. Patterson, Hornell, $198,103 e.e. $269,676—4.74 mi. Rensselaer Co., to Connell & Laub, Red Hook, $237,250 e.e. $341,699—entrance approach, structures Nassau Co., to Bailey & Stein, Phillipsburg, Pa., $33,833 e.e. $40,000—reconstructing bridge Essex Co., to N. E. Young, Union, $27,751 e.e. $37,286—bridge in Ulster Co., to C. A. MacDonald, Phila., Pa., $45,809 e.e. $53,826. Grand total $3,201,123. Noted July 19.

N. Y., Buffalo—Supervs. Erie Co., County Hall, Transit Rd. Extension Part 3, G. M. S. 206, to Meyer & Meyer Corp., 21 Transit Rd., Depew, $112,520. Noted July 26.

N. Y., New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., pavement, miscellaneous work in Lenox Ave.-148th St. Yard, to M. Del Balso Constr. Corp., foot Washington Ave. and 163rd St., $64,583. Noted July 12.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., to Valatia Constr. Co., 15 East 40th St., sheet asphalt paving 8th St. $38,763—to Meehan Paving & Constr. Co., 90 West St., Sherman Ave., $20,660, Isham St. $4,867, granite block paving 207th St. $41,020, Spring St. $55,806, Beach St. $14,760, Mail St. $7,013—from Regan Towers Co., 124 West 121st St. Staff St. $17,184, asphalt block paving Payson Ave. $26,647. Grand total $226,720. Noted July 19.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, granite block repaving Hyland Blvd., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $48,298. Noted July 4.

N. J. Cedargrove—Twp. Comn., 6 in. macadam paving Bortic Rd. and Love Lane, to H. B. Davenport, 386 Crosby Ave., Paterson, $25,604.

N. J., Glen Ridge—Boro Council, Boro Hall, sheet asphalt on 6 in. concrete paving Yatactaw and Forest Aves., to Franklin Contg. Co., 20 Washington Pl., Newark, $19,089. Est. $25,000.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., 3 in. sheet asphalt on 6 in. concrete paving Main St., to E. W. Abraham Renner St., $52,000.

N. J., Hillside (br. Elizabeth)—Twp. Com., curbing, sheet asphalt on 6 in. concrete paving Liberty Ave., to J. B. Gilligan & Casey Co., 972 Broad St., Newark, $69,149.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Municipal Bldg., resetting curbs, 3 in. sheet asphalt on 6 in. concrete paving Hollywood Ave., to Loprete Asphalt Co., 423 Amherst St., East Orange, $47,956; Howard Ave., to Standard Bithulithic Co., front of Brill St., Newark, $25,258.

N. J., Maywood (Sta. Hackensack) Bd. Boro Council, Boro Hall, improving Romaine and Golf Aves., Hartwick, Ackerman, and Stewart Sts. Sinninger and Edgewood Pls., to G. M. Brewster & Son, Ft. Lee Rd., Bogota, $188,338. Noted July 19.

N. J., Milltown—Middlesex Co., County Record Bldg., New Brunswick, sheet asphalt on 6 in. concrete paving Main St. extension, to Utility Constr. Co., 5 Spring St., New Brunswick, $65,637. Noted July 12.

N. J., North Bergen—Twp. Comn., Township Hall, concerte sidewalks on both sides Bergen Turnpike from Hudson Blvd. to Twp. line to R. & F. Concreting Co., 44th St., Union, $80,017. Noted July 12.

N. J., Perth Amboy—Middlesex Co. (New Brunswick), paving 2 mi. shoulders Washington Rd., to A. Keys, Woodbridge, $35,616.

N.J., Red Bank—Monmouth Co. (Freehold), concrete paving 2.76 mi. Red Bank-Holmdell Rd., to E. McNierney, Bradley Beach, $112,728. Noted July 12.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., concrete paving Windsor Rd., to G. M. Brewster & Son, Ft. Lee Rd., Bogota, $65,443. Noted May 31.

N. J., Verona (Ind. br. Montclair)—Bd. Boro Council, Boro Hall, grading, penetration macadam paving Otsego Rd., to W. Alworth & Son, 8 Elmwood Ave., Montclair, $26,853.

N. J., Woodbury—Gloucester Co., Court House, paving Pitman Mullica Hill Rd., to F. A. Canuso & Son, 804 South 12th St., Phila., Pa., $166,768. Noted July 5.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 96,700 sq.yd. Juniata Co., to York Eng. & Constr. Co., York $377,-298—5,000 sq.yd. Berks Co., to D. B. Hoover, Pottstown—10,800 sq.yd. Northumberland Co., to M. R. Aldrich & Co., Masonic Bldg., Harrisburg $127,840—31,500 sq.yd. Indiana Co., to Russel Bros., Youngstown, O. $133,320—26,000 sq.yd. Monroe Co., to Clark Bros. Constr. Co., Cherrytree $222,564—9,250 sq.yd. Montgomery Co., to Union Paving Co., 123 South 21st St., Phila. $29,466—38,600 sq.yd. Blair and Huntingdon Counties and 5,500 sq.yd. Jefferson Co., to D. Bailey, Morrisdale, $208,713 and $55,194 respectively. Noted June 21.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 24,202 sq.yd. Lawrence and Beaver Counties, to J. C. Devine Co., Meadville $142,782—112,000 sq.yd. Bedford Co., to Booth & Flinn Ltd., 1942 Forbes St., Pittsburgh $546,006—25,600 sq.yd. Washington Co., to Blue Ridge Constr. Co., Ltd., Uniontown $123,565—28,300 sq.yd. Lackawanna Co., to John Booth, Inc., Carbondale $117,190—fire clay brick on 7 in. concrete paving 8,187 sq.yd. Mercer Co., to Boro of Greenville, Greenville $34,136—23,-000 sq.yd. Allegheny Co., to Harrison Constr. Co., Pittsburgh $147,291—treated bituminous macadam paving 13,850 sq.yd. Adams Co., to C. Elder, Renoro $39,254. Grand total $1,150,224. Noted June 21.

Pa., Bellevue (br. Pittsburgh)—Grading 3,500 cu.yd., curbing, paving, Ross Twp., near here, to McDonough & O'Toole, Frick Bldg., Pittsburgh, $43,000.

Pa., Evans City—Evansburg Boro, Boro Bldg., grading, curbing, paving 8,500 sq.yd., to Nicely Constr. Co., Ligonier, $25,140. Est. $25,000.

Pa., Juniata (br. Altoona)—Grading, warrenite paving 50,000 sq.yd. to G. S. Graham Co., Johnstown, $177,240. Est. $175,000.

Pa., Mayview—Grading, curbing, paving roadways, walks at City Home, to J. W. Hansen, Wabash Bldg., Pittsburgh, $26,357. Est. $30,000.

Pa., Mt. Ollvet (br. Pittsburgh)—Repaving, resurfacing streets, alleys, to M. O. Herron Co., South 1st and McKean Sts., Pittsburgh, $37,000. Est. $40,000.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving Dauphin St. $7,675, 7th St. $27,783—to Union Paving Co., 123 South 21st St., redressed granite block repaving Chestnut St. $6,391; track area of Chester and 60th Sts. $11,789; asphalt resurfacing (heater method) Group 1 $60,-945; Group 2 $39,727; Group 5 $71,136—to Eastern Asphalt Co., Penna Bldg., Group 3 $81,369—to Barber Asphalt Co., Hunting Park, Group 4 $108,606—to M. Y. Neely, Inc., Bushelton, Phila., reconstructing Byberry Rd. Bridge over Poquessing Creek $4,000—to Horridge Ellcock & Hall, Dunks Ferry Rd. Bridge over Poquessing Creek $4,650—to Mundy Paving & Constr. Co., Grant Avenue Bridge over Woodenbridge Run $4,345—to Kaufman Constr. Co., 26 South 15th St., bridges over Pennsylvania R.R. $10,400; over Reading & Baltimore & Ohio R.R. $11,625. Grand total $450,-442. Noted June 28.

Pa., Pittsburgh—Repairing Becks Run Rd., to Booth & Flinn Ltd., Forbes St. Est. $45,000.

Pa., Washington—Washington Co., general contract 8 in. concrete paving 10,300 sq.yd. West Maiden, South Franklin, West Blair and Jefferson Sts., to Consolidated Eng. Co., Natl. Bank of West Virginia, Wheeling, W. Va., $47,120. Est $50,000.

Md., Baltimore—Bd. Awards, concrete paving 17,700 sq.yd. Contr. 470, to Ward & O'Connell, 3114 Presbury St., $41,560; sheet asphalt paving 22,500 sq.yd. Contr. 471, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $87,046. Noted July 19.

W. Va., Parkersburg—Paving Stevenson and 9 other streets, to Parkersburg Constr. Co., Parkersburg, $40,541. Noted June 21.

Georgia—State Hy. Bd., East Point, to Whitley Constr. Co., La Grange, paving Route 17, F. Aid Project 417 A, B, C, D, and 427 A and C, Emanuel and Toombes Counties, 18.55 mi., $346,892—11.42 mi. $234,733—9.29 mi. $169,817—7.99 mi. $145,-885—to Campbell Contg. Co., Columbus, paving 10.4 mi., Jones Co., $161,388—to Nichols Contg. Co., 1281 La France St., Atlanta, chert surfacing 9 mi., Catoosa Co. $88,562—penetration macadam paving Bertow and Gordon Counties $434,378—to Carter Constr. Co., Chattanooga, Tenn., penetration macadam paving Whitfield and Catoosa Counties $141,412—Whitfield and Gordon Counties $181,080—to Davis Constr. Co., Walton Bldg., Atlanta, concrete paving 13 mi. Meriweather Co. $259,716—to E. M. Williams, Monroe, bridges in Catoosa Co. $13,824—Jacqson Co. $6,106. Grand total $2,183,893. Noted May 24 and June 28.

Mississippi — Harrison Co. improving 2.021 mi. Federal Aid Project 194, Harrison and Jackson Counties, to Fuller Constr Co., Memphis, Tenn., $737,951. Noted June 28.

Miss., Canton—To W. J. Horle, Euclid Ave., Jackson, warrenite bitulithic paving 15,000 sq.yd. at $0.80 per sq.yd., 50,000 ft. concrete curb and gutter $0.50.

Miss., Kosclusko—Attala Co., grading, culverts, bridges, 6.398 mi. Federal Aid Project 191-A, to S. B. Boyd, Columbia, $58,456.

O., Akron—Summit Co., improving 3 mi. South Arlington St., to Costigan-Shroyer Co., Metropolitan Bldg., $31,304. Est. $37,273.

O., Akron—Comrs. Summit Co., slag paving 1.9 mi. Gillis Rd., to J. L. McCormick, Ravenna, $17,212. Est. $25,000. Noted July 5.

O., Brooklyn (br. Cleveland)—Bitulithic concrete paving 3 streets, to Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, $32,000.

O., Canton—Bd. Control, brick paving ½ mi. Broad Ave. Extension, 18 ft. to Garaux Bros., Massillon Rd., $38,933. Est. $40,000. Noted Apr. 12.

O., Canton—Stark Co., brick pavng ½ mi. Canton-Bolivar Rd., to Garaux Bros. Co., Massillon Rd., $29,424. Est. $30,000.

O., Canton—Stark Co., gravel surfacing 2 mi. Mudbrook Rd., 18 ft., to Cable Co., 1421 5th St. S. W. Canton, $33,442. Est. $35,000.

O., Canton—Stark Co., brick paving 2 mi. Hills and Dales Rd., 18 ft., to General Asphalt Paving Co., Witters Bldg., $70,978. Est. $75,000.

O., Cincinnati—Hamilton Co., oiling roads to O. C. Muth, Robison Rd., Norwood, $26,-649, est. $28,000—surface treating 60.72 mi. to Eaton Oil Works, Sterrett St., Covington, Ky., $43,850. Est. $46,975.

O., Cleveland—Asphalt paving Wallbrook Ave., to Baldwin Bros., 4500 Euclid Ave., $17,651; Chester Ave., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $29,479.

O., Cleveland—Cuyahoga Co., grading, stone curbing, sheet asphalt paving 21,500 sq.yd. Chardon Rd. 4, to Gould & Mayback, 16311 Saranec Rd., $67,467. Noted July 5.

O., Columbus—W. H. Duffy, dir. Serv., to A. W. Burns Constr. Co., 424 Woodland Ave., grading, asphalt paving 1,640 sq.yd. Stewart Ave. $7,428; 3,030 sq.yd. Southwood Ave. $12,827; concrete paving 1,725 sq.yd. Ridgeway Ave. $6,473—to R. J. Dienst, 209 South High St., concrete paving 880 sq.yd. Woodbine Court, $5,128. Grand total $31,856.

O., Dayton—G. F. Baker, dir. Pub. Serv., concrete paving Nassau St. and Wheatley Ave., to Wright Bros., 117 Hollier St., $20,629 and $32,129 respectively. Noted June 14.

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Streets and Roads (Continued)

O., Massillon—Bd. Control, grading, stone curbing, sheet asphalt paving 6,900 sq.yd., concrete paving 1,158 sq.yd. 5th St. N. E., Woodland Ave. S. E., and Wallace Ave. S. E., to Urban Bros., Massillon, $32,438. Noted Mar. 1.

O. Medina — Medina Co., grading, slag paving 6.2 mi. road between Medina and Summit Counties, and between Wadsworth and Eastern Sharon Center, to L. C. Bell & Son, Mansfield, $56,732. Est. $60,000.

O., Miles Heights (br. Cleveland) — To Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, paving Judson Blvd., East 155th St., and Cloverside Ave., $91,121. Noted June 21.

O., Parma Heights (br. Cleveland)—Paving Greenleaf Ave., to Loesch & Green Constr. Co., 4169 Pearl Rd., Cleveland, $71,-000. Noted June 28.

O., Warren—Trumbull Co., improving 3 mi. Youngstown-Hubbard Rd., 18 ft., to V. Olsen Constr. Co., Mahoning Bank Bldg., Youngstown, $83,397. Est. $85,000.

Ind., Bedford—Concrete paving 12th St., to W. J. Nees Co., Mishawaka, $28,146.

Ind., East Chicago—Asphalt paving ½ mi. Forsyth Ave., to Public Constr. Co., Hammond, $46,952.

Ind., Elkhart—Bd. P. Wks., concrete on 2 course granite paving North Main St., to Boutrager Constr. Co., Elkhart, $34,464.

Ind., Indianapolis—Marion Co. concrete paving 2 mi. Holt Rd., to J. R. Hiatt Co., 40 East 54th St., $59,627. Est. $72,000. Noted July 12.

Mich., Detroit—Wayne Co., grading, concrete paving 4¾ mi. Six Mile Rd., to F. O'Kray, 6116 Epworth Blvd. Est. $25,000.

Illinois—State Dept. P. Wks. & Buildings, Div. Hys., Springfield, paving Christian Co., to F. C. Feutz Co., Rochester, Ind., $159,-373 — Sangamon Co., to Sangamon Constr. Co., Springfield, $13,387—Cook Co., to Chicago Heights Coal Co., Chicago Heights, $14,396 — Christian and Macon Counties, to J. W. Etchison, Casey, $98,922 —Cook Co., to C. E. Giertz & Son, 360 Crystal St., Elgin, $253,412—McDonough and Hancock Counties, to Jansen & Schaefer, Pekin, $142,988—Clark Co., to O. Arnold, Casey, $104,074—Peoria Co., to McCarthy Improvement Co., Kahl Bldg., Davenport, Ia., $60,005—Livingston and Woodford Counties, to Henkel Constr. Co., Mason City, Ia. $340,949—Randolph and Monroe Counties, to Hoeffken Bros., Belleville, $198,397—Cook, Hancock, and Will Counties, to Cameron, Joyce & Co., 17 South 8th St., Keokuk, Ia., $330,876—grading Kane Co., to Burch Constr. Co., 105 Monona Ave., Madison, Wis., $46,580—Schuyler Co., to Gaines Bros., Fairfield, Okla., $102,835 —Hancock Co., to C. J. Jones, St. Louis, Mo., $17,092—Fulton Co., to E. Gillen Dock Dredge Co., Beardstown, $32,500 — Rock Island and Mercer Counties, to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $64,931—Schuyler Co., to Gaines Bros., Fairfield, Okla., $117,857. Grand total $2,098,574. Noted Mar. 29, Apr. 26 and May 20.

Ill., Chicago — Bd. Local Impvts., City Hall, paving North La Salle St. from West Washington to West Ohio Sts., to J. A. McGarry & Co., 189 West Madison St.

Ill., Chicago — Cook Co. Hy Dpt., 139 North Clark St., paving 2.5 mi. South West Hy., to J. P. O'Keefe Co., 7854 South Ashland Ave., $232,316—1.3 mi. same road, to Fuller Constr. Co., Chicago, $107,936—1.3 mi. Dixie Hy., to E. H. Summerville Co., Harvey, $51,740—2.5 mi. Willow Springs Rd., to R. F. Conway Co., 844 Rush St., $97,796—Devon Ave., to M. Hayes Co., Tessville, $35,145. Grand total $524,933.

Ill., Evanston—Bd. Local Impvts., to M. Foley Co., Evanston, grading, curbing, guttering, sewers, concrete paving 3,390 sq.yd. Park St., $14,828—2,320 sq.yd. Colfax St., $11,835—lead water service pipes in Bennett Ave., $529. Grand total $27,192.

Ill., Galesburg—See "Waterworks."

Ill., Tessville — Concrete paving 2 mi. streets, 21 ft., to M. Hayes & Son, 209 South La Salle St., Chicago, $112,000.

Ia., Decorah—Grading, curbing, guttering, 8 in. rein.-con. paving 15,020 sq.yd. Mechanic and Short Sts., to Omaha Constr. Co., Omaha, Neb., $40,906.

Ia., Iowa City—Grading, curbing, guttering, 6 in. concrete paving 3,160 sq.yd. alleys, and 7 in. rein.-con. paving 19,822 sq.yd. and brick paving 4,918 sq.yd. streets, to W. Horrabin Contg. Co., 15 East College St., $78,992.

Ia., Le Mars—Grading, curbing, concrete paving, to P. C. Hanson & Son, Sioux City, $37,864.

Ia., Newton—Jasper Co., graveling 31,-850 cu.yd. Baxter-Monroe Rd., to Coon River Sand Co., East 30th St., Des Moines, C.A., at $1.64 per cu.yd.

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Ia., Ute—Grading, curbing, paving 18,000 sq.yd., to Booth & Olson Paving Co., 310 Grain Exch. Bldg., Sioux City, $39,000.

Minnesota—State Hy. Comn., St. Paul, grading 27,700 cu.yd. State Project 62-21, and 21,000 cu.yd. State Project 63-22, to Megarry Bros., Bain, $43,690. Noted July 5.

Minn., LeSueur Center—C. L. Huebl, aud. LeSueur Co., grading 86,087 cu.yd. Job 2802, State Aid Rd. 5, to J. Brown, Madison Lake $22,500. Noted June 28.

Minn., Minneapolis—Bd. Comrs. Hennepin Co., c/o A. P. Erickson, aud., concrete paving 1 mi. Rd. 2, 40 ft., to Fielding & Shepley, 217 University Ave., St. Paul, $52,411.

Minn., New Ulm—Curbing, guttering, vibrolithic concrete paving, to Woodrich Constr. Co., 808 Metropolitan Life Bldg., Minneapolis, $121,678.

Kan., Atwood—Rawlins Co., sand graveling 18.507 mi. Project 542, 30 ft., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $17,897. Est. $31,515. Noted June 28.

Kan., Erie—L. R. Stanley, clk. Neosho Co., chat surfacing 32¾ mi. Walnut, Erie-Odense, Lebanna, South Mound-Lake, Neosho, Needesha and Earlton Rds., to A. L. Cook, Ottawa, $29,109.

Kan., Fredonia—Wilson Co., grading 7.324 mi. Rd.-K47-Kansas 557-A, to A. L. Cook, Ottawa; 2 bridges, to J. S. Vance & Son, Parsons. Noted July 5.

Kan., Garden City—W. G. Hopkins, clk. Finney Co., sand gravel surfacing 17.414 mi. Projects 26 and 27, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $19,302. Noted July 5.

Kan., Kingman—Kingman Co., concrete surfacing 8.067 mi. U. S. 54-Federal Aid Project 341 B, C and D, to Taylor Constr. Co., Salina, $169,305. Noted June 28.

Kan., Oberlin—Clerk Decatur Co., grading, bridging 3.59 mi. Project 533, 30 ft., to G. F. Bump, Norcatur, $28,494. Est. $32,910. Noted July 12.

Kan., Ottawa—Franklin Co., concrete, brick, bituminous concrete, bituminous macadam or sand gravel paving 6.6 mi. Federal Aid Proect 273-B, 18 ft. to Cook & Stucker, Ottawa, $128,347. Noted June 28.

Kan., Russell Springs—J. S. Huddleston, clk. Logan Co., sand, gravel surfacing 14.304 mi. Project 538-B, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $8,928. Noted July 12.

Kan., Wakeeney—Clark Trego Co., sand gravel surfacing 14.496 mi. U. S. 40-S, Federal Aid Project 382-C, 30 ft., to San Ore Constr. Co., McPherson, $28,164. Noted July 12.

Kan., Wichita—Concrete paving 27,547 sq.yd., to Globe Constr. Co., 1069 Water St., at $1.55 per sq.yd.; asphaltic concrete paving 3,240 sq.yd., to H. T. Ritchie, P. O. Box 298, $2.28.

N. D., Fargo—Concrete paving 6 blocks 4th Ave. S., to S. Birch & Sons, 211 Front St. Est. $30,751.

Mo., Kansas City—Natural lake asphalt paving Main St. from Pershing Sq. to 26th St., to Midwest Paving Co., Uptown Bldg., $175,495.

Mo., Kirkwood—Concrete paving 12,064 sq.yd. Central Pl., Clay, Van Buren and Cleveland Aves., to J. F. McMahon Constr. Co., 719 Buder Bldg., St. Louis, Mo., $31,478—8,037 sq.yd. Clinton Pl., Hickory, Jefferson and Madison Aves., concrete paving 2,250 sq. yd. and bitulithic paving 2,625 sq.yd. Harrison Ave., to Fehlig-Fenrenbach, Inc., $500 Hickory St., $20,992.

Tex., Amarillo—City, 2 course penetration on 8 in. gravel paving 19,043 sq.yd., to Amarillo Constr. Co., 7th and Courtney Sts., $45,879. Noted June 28.

Okla., Geary—Grading, concrete paving 9,930 sq.yd. 4th and Blaine Sts., to Ward-Beekman & Brooks, 1801 East 9th St., Oklahoma City, $27,553. Est. $27,594.

Okla., Marshall—Grading, concrete paving 13,850 sq.yd. Vine, Missouri and Kansas Sts., to Standard Paving Co., 2115 East 11th St., Tulsa, $42,154. Est. $42,177. Noted July 12.

Okla., Seminole—Grading, concrete paving 7,100 sq.yd. Timmons and Maple Sts., to R. H. Chase, Seminole, $28,142. Est. $29,139. Noted Mar. 29.

Colorado—State Hy. Dept., Denver, concrete paving 4.363 mi. Pueblo-Colorado Springs Hy., Pueblo Co., to J. F. Roberts, Tramway Bldg., Denver, $120,789.

Colorado—State Hy. Comn., Denver, paving 4.5 mi. Denver-Boulder Rd., to J. H. Miller & Co., 400 Chamber Commerce Bldg., Denver, $150,264.

Colo., Denver—Concrete paving Alley Paving Dist. 175, to W. F. Pigg & Son, Commonwealth Bldg., $13,872—Alley Paving Dist. 173, to Gordon Constr. Co., 31st and Platte Sts., $19,719—asphaltic concrete paving North Denver Paving Dist. 11, and 12, to Western Paving & Constr. Co., 220 Washington St., $29,043 and $26,7[illegible] respectively—17th Ave. Paving Dist. [illegible] to Allied Contractors, Inc., Union Station, [illegible] 524—improving Barnum Impvt. Dist. [illegible] to H. C. Lallier Constr. & Eng. Co., Continental Trust Bldg., $66,860. Grand total $217,720. Noted Apr. 12.

Nevada—State Hy. Comn., Carson City, 274,549 gal. asphaltic fuel oil on 16.8 mi. crushed rock or gravel Route 2, Sect. [illegible] D1 and D, White Pine Co., to California Road Oil Serv. Co., Los Angeles, [illegible] $19,877 — reconstructing Leeteville-Fallon Hy., Churchill Co., to A. D. Drumm, Jr., Fallon, $26,933. Noted July 5.

Washington—State Hy. Comn., Olympia, concrete paving 3.41 mi. Spokane Co., to J. A. Collins & Co., Reardan, $96,288.

Washington—State Hy. Comn., Olympia, grading 214,500 cu.yd. Kittitas Co., to S. H. Newell & Co., 1254 Reed College Pl., Portland, Ore. $79,869—graveling 11,420 cu.yd. Skamania Co., to C. E. Martin, R.F.D. 3, Box 160, Seattle, $11,164—broken stone surfacing 13,000 cu.yd. Kittitas Co., to Midstate Constr. Co., Yakima $27,355. Grand total $118,388. Noted June 21.

Wash., Seattle—Bd. P. Wks., paving [illegible]th Ave. S. W., to S. A. Moceri, Inc., 1313 South 13th St., Tacoma, $104,902.

Wash., Seattle — Paving 2nd Ave. et al, Div. 11, to Goetz & Brennan, Seaboard Bldg., sand-cast $149,663.

Oregon—State Hy. Dpt., Salem, clearing, grubbing, grading 11.02 mi. Fremont Hy., 60 ft. right-of-way, to H. C. Boyer, Ontario, $40,320.

Oregon—State Hy. Comn., Salem, grading, surfacing 11.02 mi. Fremont Hy., Lake Co., to H. C. Bayer, Ontario, $40,320.

California—State Hy. Comn., Sun Finance Bldg., Los Angeles, grading, concrete paving 0.8 mi. road between Fullerton and Anaheim, 30 ft., Orange Co., to Bartlett & Mathews, Braley Bldg., Pasadena, $33,803. Noted June 28.

Calif., Glendale — Curbing, guttering, walks, asphaltic concrete paving Hawthorne Ave., to C. U. Heuser, 816 Allen Ave., $44,090.

Calif., Huntington Park—Curbing, guttering, walks, 5 in. asphaltic concrete paving 117,488 sq.ft. Passaic St., to Griffith Co., Railway Bldg., Los Angeles, $25,966.

Calif., Glendale—Curbing, walks, 6- to 8-in. concrete paving 298,611 sq.ft. Max St. and Chevy Chase Dr., to G. A. Simpson, 1055 Sanborn Ave., Los Angeles, $128,880.

Calif., Long Beach—Curbing, walks, 6 and 8 in. concrete paving Lewis and Cerritos Aves., to Roche-Axman Co., 1416 South Glendale Ave., $22,799 and $22,473 respectively.

Calif., Los Angeles—Los Angeles Co., improving Ventura Blvd., to G. H. Oswald, 366 East 58th St., Los Angeles, $746,270. Noted Apr. 26.

Calif., Los Angeles—Los Angeles Co., improving Pine Ave., Impvt. 584, to Vido Kovacevich, 1553 Loma Ave., Long Beach, $57,417. Est. $64,071. Noted June 14.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, guttering, concrete paving Florence Ave., Impvt. 79, to G. H. Oswald, 366 East 58th St., $234,397. Noted June 28.

Calif., Oakland — Grading, sewers, asphaltic concrete paving Webster St. between Eagle and Tynan Aves., to Warren Constr. Co., 28th and Poplar Sts., $47,948.

Calif., Oroville—Grading, gravel surfacing, to W. A. Betchel, 201 Sansome St., San Francisco, $43,065.

Calif., Palo Alto — Improving Channing Ave., to Western Paving Co., Call Bldg., San Francisco. $33,754.

Calif., San Bernardino—Concrete and oil macadam paving Grant Ave., to H. H. Lineau, 826 Brookside Ave., Redlands, $68,989.

Calif., San Diego — Curbing, sidewalks, concrete paving Highland Ave., to R. W. Brown, San Diego, $49,049.

Calif., San Diego—Common Council, improving Allison, Hawk Sts. and Horton Ave., to Watson & Sutton, Noell St., $161,-565 and $27,003 respectively. Noted June 28.

Calif., San Francisco—Bd. Pub. Wks., improving Great Hy. between Sloat Blvd. and Lincoln Way, to Grandfield, Farrar & Carlin, 666 Mission St., San Francisco, $131,320. Noted July 5.

Calif., Santa Ana—Orange Co., curbing, culverts, concrete paving Spadra Rd., to Griffith Co., Railway Bldg., Los Angeles, $32,600.

Calif., Stockton—San Joaquin Co., asphalt paving Waterloo Rd., to Heafey-Moore Co., 344 High St., Oakland, $73,535.

Calif., Ventura — Improving East Main St., to Griffith Co., Railway Bldg., Los Angeles, $793,748. Noted July 26.

Streets and Roads (Continued)

Calif., Woodland—Supervs. Yolo Co., grading, concrete paving 3.8 mi. hy. between Winters and Madison, to A. Terchert & Son, 1480 37th St., Sacramento, $73,285. Est. $80,000.

Ont., Aurora—Asphalt paving 5 streets, to Warren Bituminous Paving Co., 54 University Ave., Toronto, $53,000. Est. $60,000.

Ont., Brampton—Peel Co., grading road between Caledon E. and Mono Mills, to R. C. Huffman Constr. Co., 331 Bay St., Toronto, earth at $0.42 per cu.yd., rock $2.80; 10,000 cu.yd. road south of Palgrave, to Britnell Contg. Co., Baster St., Toronto, earth $0.37. Est. $30,000.

Public Bond Elections

Coming Elections

Waterworks—Oceanside, Calif., $75,000.
Sewers—Gretna, La., $300,000.
Roads—Ballinger, Tex., $525,000.
Roads—Fairview, Okla., Aug. 7, $600,000.
Roads—Natchitoches, La., Aug. 4, $45,000.
Waterworks—Sweet Springs, Mo., Aug. 7, $100,000.

Bonds Voted

Sewers—Cotton Plant, Ark., $100,000.
Sewers—Dilley, Tex., $35,000.
Sewers—Weatherford, Okla., $45,000.
Sewers—Vista, Calif., $70,000.
Bridges—Pittsburgh, Pa., $3,540,000.
Roads—Pharr, Tex., $1,000,000.

Buildings—Commercial

Proposed Work

N. H., Jaffrey—HOTEL—Jaffrey Arms, Inc., c/o Blackall & Elwell, archts., 29 Central St., Boston, Mass., sketches brick, steel, Gilmore Lake. $150,000 or more.

Mass., Boston—OFFICE—United Shoe Mchy. Co., S. J. Winslow, Jr., chn. building com., 205 Lincoln St., plans by Parker, Thomas & Rice, 177 State St., and H. B. Alden, associate archt., 126 State St., 24 story, basement, 200 x 220 ft., brick, rein.-con., steel, limestone, 138-162 Federal St. French & Hubbard, 210 South St., engr. Noted Apr. 26.

Mass., Brookline (br. Boston)—HOSPITAL—Trumbul Hospital, R. A. Baxter, pres., 68 Allerton Rd., sketches by H. F. Kellogg, 378 Stuart St., Boston, altering and constructing 4 story, basement, brick addition, plain found., Allerton Rd. $150,000. Noted June 14.

Mass., Chicopee — CITY HALL — City, F. P. Cobb, city engr., plans by G. P. Dion, 10 Center St., altering and constructing brick, steel, stone addition, Front St. $150,000.

Mass., Malden (br. Boston)—APARTMENT—J. Shahbas, Lynnfield Center, plans by B. E. Porter, 73 Tremont St., Boston, 4 story, basement, 65 x 105 ft., brick, plain found., Summer St. $150,000.

Mass., Medford (br. Boston)—APARTMENT—P. J. Griffin, 42 Metcalf St., Boston, 3 story, basement, irregular sized, brick, stone, plain found., Metcalf St. $150,000. Private plans. Noted Apr. 26.

Mass., Newton—FIRE ALARM—City, Fire Dpt., C. W. Ranlett, chf., plans by Kendall, Taylor & Co., 142 Berkley St., Boston, fire alarm signal headquarters, Willow St. $200,000. Noted June 7.

Mass., Norfolk—PRISON COLONY—R. D. Kimball Co., 6 Beacon St., Boston, rein.-con., brick, prison colony buildings, plain founds. $200,000. Private plans.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE — Aug. 2, by Shepard & Stearns, archts., 65 Franklin St., Boston, 2 story, basement, 125 x 195 ft., brick, stone, plain found., Hancock and Saville Sts., for H. M. Faxon, Clivedon Bldg. Est. $150,000. Noted July 26.

Conn., Hartford — THEATRE, STORE and OFFICE—J. Glassman, 170 Adams St., revised plans by G. H. Matthew, 48 Campfield St., brick, Albany Ave. $150,000.

R. I., Woonsocket—CITY HALL—City, P. Building Dpt., plans by O. H. Drouin, Monument Sq., altering and constructing 3 story, 78 x 102 ft., brick, stone addition, Main St. $150,000.

N. Y., Astoria — APARTMENT — Gelsen Building Corp., 1070 Forest Ave., Ridgewood, plans by Schmoll & Perlstein, 6735 Henmon St., Middle Village, 6 story, 81 x 96 ft., brick, timber, 32nd St. and 31st Ave. $400,000.

N. Y., Brooklyn — APARTMENT — Ft. Hamilton Realty Co., B. Fella, pres., 136 East 8th St., New York, plans by MacManus & Griffiths, 11 East 42nd St., New York, 6 story, 100 x 138 ft., brick, timber, 95th St. and Ft. Hamilton Parkway. $250,000.

N. Y., Brooklyn—APARTMENT—Madison Building Corp., H. Roberts, secy., 1170 Bway., New York, plans by Levy & Grillo, 373 Fulton St., 6 story, 110 x 137 ft., brick, timber, Ft. Hamilton Ave. and 86th St.

N. Y., Brooklyn—APARTMENT—Utrecht Building Corp., L. Levine, pres., 32 Court St., plans by Prober & Blaufeux, 66 Court St., 4 story, 144 x 182 ft., brick, timber, Ovington St. and West 6th Ave. $350,000.

N. Y., Brooklyn — APARTMENT — Wax Realty Co., N. Wax, pres., 417 Amboy St., plans by J. J. Millman, 26 Court St., 4 story, 87 x 100 ft., brick, timber, 40th St. and 9th Ave. $150,000.

N. Y., Corona (Ind. Sta. Flushing)—BANK—Queens Co. Savings Bank, Flushing, plans by W. W. Knowles, Bridge Plaza, Long Island City, 4 story, 50 x 100 ft., brick, steel, stone, 103rd and Sackett Sts. $300,000.

N. Y., Long Island City—APARTMENT and STORE—Community Place Corp., 105 Court St., Brooklyn, plans by M. Margolin, 105 Court St., Brooklyn, 3 story, brick, timber, Ditmars Blvd. and West 19th St. $240,000.

N. Y., New York—APARTMENT—Arjay Constr. Corp., R. Jackson, pres., 2072 Davidson Ave., plans by M. Del Gaudio, 160 West 45th St. 6 story, 90 x 100 ft., brick, timber, Arnow and Barnes Aves. $200,000.

N. Y., New York — APARTMENT — Ferbro Realty Co., Inc., J. Feraca, pres., 733 Grote St., plans by G. G. Miller, 1482 Bway., 6 story, 86 x 100 ft., brick, timber, Bryant and Lafayette Aves. $175,000.

N. Y., New York—APARTMENT—Five Hundred Eighty-Nine Tinton Avenue Corp., S. Gordan, pres., 56 West 45th St., plans by Springsteen & Goldhammer, 40 East 49th St., 4 story, 87 x 151 ft., brick, timber, Leland and Westchester Aves. $200,000.

N. Y., New York—APARTMENT—Lawrad Building Corp., C. M. Radoe, secy., 1969 Arthur St., plans by L. Pisciotta, 1912 Arthur St., 6 story, 87 x 100 ft., brick, timber, Elder and Watson Aves. $215,000.

N. Y., New York — APARTMENT — Thirty-Seven Washington Square Corp., A. A. Bertine, pres., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, 82 x 82 ft., brick, steel, 37 Washington Sq. $700,000.

N. Y., New York—APARTMENT—Timpson Place Constr. Co., S. Silberbeg, pres., 835 East 150th St., plans by G. G. Miller, 1482 Bway., 6 story, 84 x 190 ft., brick, timber, Timpson Pl. and St. John Ave. $390,000.

N. Y., New York — STORAGE and APARTMENT—Puritan Estates, Inc., E. Krulewitch, res., 45 West 34th St., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, brick, steel, 307 East 72nd St. $700,000.

N. Y., New York—STORE and TEA ROOM—American Society of Civil Engineers, L. Bush, pres., 33 West 39th St., plans by C. E. Birge, 29 West 34th St., altering 4 story, 75 x 113 ft., brick, steel, 220 West 57th St. $250,000.

N. Y., White Plains—HOSPITAL—White Plains Hospital, 42 Greenridge Ave., plans by York & Sawyer, 100 East 42nd St., New York, hospital. $150,000.

N. J., Allenhurst—INSTITUTION—A. E. Fitkin, 165 Bway., New York, plans by C. A. Jackson, 463 8th Ave., New York, 3 story, basement, brick, steel, plain found., Freehold and Eatontown Rds. $1,000,000.

N. J., Bogota — APARTMENT — J. De Stefano, c/o S. Rocco, archt., 50 22nd St., Union City, plans 5 story, basement, brick, steel, plain found. Fort Lee Rd. and Ridgefield Ave. $150,000.

N. J., Fairview—STORES and APARTMENT—M. G. Constr. Co., c/o L. Vivoli, archt., 411 Palisade Ave., Cliffside, 5 story, basement, 50 x 100 ft., brick, steel, plain found., Morningside Ave. and 9th St. $150,000.

N. J., Hoboken—APARTMENT—J. J. O'Leary, 730 Hudson St., 8 story, basement, brick, steel, plain found., Washington St. between 10th and 11th Sts. $500,000. Engineer and architect not selected.

N. J., Hoboken — CLUB—B.P.O.E. 74, 1005 Washington St., sketches by J. Lugosch, 714 Bergenline Ave., Union City, 3 story, basement, brick, steel addition, plain found., 10th St. $150,000.

N. J. Hoboken — HOTEL — Strasse & Barnes, archts., 175 5th Ave, New York, altering and constructing 4 story, basement, 60 x 100 ft., brick, steel, addition, plain found, 40-42 2nd and River Sts., for M. Schumann, c/o architect. $150,000.

N. J., Jersey City — APARTMENT — Alvin Development Corp., c/o Skilointz, archt., Labor Bank Bldg., 5 story, basement, 75 x 100 ft., brick, steel, plain found., Hudson Blvd. and Stevens Ave. $150,000.

N. J., Jersey City—HOSPITAL—Christ Hospital, 176 Palisade Ave., revised plans 4 story, brick, steel addition, plain found. $225,000. J. T. Rowland, Jr., 30 Journal Sq., Jersey City, archt. Noted May 17.

N. J., Jersey City—HOTEL—Corporation, c/o Hotel Development Service Co., 369 Lexington Ave., New York, rejected bids 1½ story, basement, brick, steel, plain found., 2861-67 Hudson Blvd. $5,000,000. Thomas, Martin & Kilpatrick, 220 South 16th St., Phila., Pa., archts. and engrs. Project in abeyance. Noted May 3.

N. J., Jersey City—HOTEL—Fairmount Hotel, c/o L. Schultz, archt., 256 Summit Ave., Union, 11 story, basement, 50 x 105 ft., brick, steel, plain found. $300,000. Noted July 26.

N. J., Long Branch—APARTMENT—J. C. Gaffney, 100 East 182nd St., New York, sketches by W. A. Geisen, 603 East Tremont Ave., New York, 5 story, basement, brick, steel, plain found., South Lake Dr. and Elleron Ave. $250,000.

N. J., Newark — APARTMENT — A. Sobine, c/o S. Cohen, archt., 134 Branford Pl., will not construct 5 story, basement, brick, steel, plain found., 970-76 18th Ave. $200,000. Project abandoned. Noted Oct. 20.

N. J., Newark — APARTMENT — J. D. Steffano, c/o M. O. Klemmt, archt., 43 Hill St., 4 story, basement, 84 x 104 ft. brick, steel, plain found., 493-9 Roselle Ave. $150,000.

N. J., Newark — HOTEL — Cedarbrook Heights Development Corp., c/o S. Cohen, archt., 134 Branford Pl., 3 story, basement, 70 x 100 ft., brick, steel, plain found., Milford Ave. $150,000.

N. J., Orange—APARTMENT—Blit-Wel Co., 135 Hill St., plans by M. Villanueva, 604 Central Ave., East Orange, 4 story, basement, 95 x 105 ft., brick, steel, plain found., Whitehall Pl. near Scotland Rd. $150,000.

N. J., Passaic—COMMUNITY CENTER—Ahavas Israel, 171 Howard St., sketches by Preiskel & Skvarla, 2 Lexington Ave., 5 story, basement, brick, steel, plain found., 181 Van Houten Ave. $150,000. Nated July 19.

N. J. Paterson—APARTMENT—C. Ferdinand, c/o J. Holt, archt., 132 Market St., sketches 3 story, basement, brick, steel, plain found., 974 Madison Ave. $150,000.

N. J., Paterson—STORE—H. B. Kintay, Esq., c/o F. W. Wentworth, archt., 140 Market St., 3 story, basement, brick steel, plain found., 135 Main St. $150,000.

N. J., Perth Amboy—ARMORY—State of New Jersey, Trenton, sketches by G. M. Ricci, 224 Smith St., 2 story, basement, brick, steel, plain found., Lewis Ave. $150,000.

N. J., Perth Amboy—BANK and OFFICE—Perth Amboy Trust Co., 147 Smith St., rejected bids Apr. 9, general contract, 3 story, basement, 30 x 100 ft., brick, steel, addition, plain found., Smith and Hobart Sts. Will readvertise. J. N. Pierson & Son, 198 Jefferson St., archt. Noted Apr. 5.

N. J., Perth Amboy—STORE and AUDITORIUM—O. K. Realty Co., 226 Smith St., rejected bids general contract 2 story, 100 x 105 ft., brick, steel, plain found. Maple and Smith Sts. $150,000. J. N. Pierson & Son, 198 Jefferson St., archts. Noted Jan. 15.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—M. Merles, 363 West Jersey Ave., Elizabeth, plans by W. F. Fenne, 91 Broad St., Elizabeth, 3 story, basement, brick, steel, plain found., East 3rd and Sheridan Aves., $150,000.

N. J., Rutherford — APARTMENT — Owner, c/o A. P. Nucciarone, archt., 206 Central Ave., Orange, 3 story, basement, 115 x 120 ft., brick, steel, plain found. $200,000. Noted July 26.

N. J., Weehawken—BANK—J. T. Rowland, Jr., 30 Journal Sq., Jersey City, soon lets contract 2 story, basement, brick, steel, plain found., 4th St. and Park Ave., for Park Trust Co., 656 Park Ave. $150,000. Noted June 1.

N. J., Westfield—STORE—Owner, c/o J. Anderson, archt., 251 North Broad St., Elizabeth, 2 story, basement, 100 x 160 ft., rein.-con., brick, steel, plain found., 260 East Broad St. $150,000.

Pa., Haverford — ADMINISTRATION — Comrs. Haverford Twp. plans by Dreher & Churchman, Otis Bldg., Phila., administration building, Coopertown and Manoa Rds. $250,000.

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Buildings—Commercial (Continued)

D. C., Wash.—CLUB—Mayflower Club, 1022 Vermont Ave. N. W., Plans by D. Stern, 1412 Eye St. N. W., club showroom and stores, 1622-28 L St. $500,000.

D. C., Wash.—HOTEL—Bellview Co., Inc., 1010 Vermont Ave. N. W., plans by Pierson & Pierson, Hill Bldg., hotel E. St. west of North Capitol St. $800,000.

D. C., Wash. — HOTEL—Walker Johnson, c/o Milburn—Heister Co., archt., Hill Bldg., hotel, opposite Union Station, $240,000.

Va., Petersburg — HOSPITAL—Chamber of Commerce, W. Clarkson, pres., 200 bed fireproof hospital. $200,000.

W. Va., Huntington — HOSPITAL — Chesapeake & Ohio Ry. Co., Richmond, Va., C. W. Johns, ch. engr., expending $235,000, hospital addition.

Ala., Huntsville — HOTEL — Huntsville Hotel Co. soon lets contract Russell Erskine Hotel, 12 story, brick, stone, Clinton Ave. Est. $500,000. Noted Mar. 22.

La., New Orleans — AUDITORIUM — Comn. Council plans by Favort & Livaudis Hibernia Bank Bldg., auditorium, incl. convention hall, theatre, exhibition place, meeting rooms, Orleans St. $2,000,000.

Tenn., Knoxville—MEDICAL ARTS and GARAGE—Medical Arts Building Corp., plans by Manley & Young, 302 West Church St., 13 story L shaped, 70 x 103 ft., rein.-con., with 3 story, 109 x 145 ft. garage, Main Ave. and Locust St. $750,000.

Ky., Louisville—WAREHOUSE—D. X. Murphy & Bro., archts., Louisville Trust Bldg., soon lets contract 8 story, basement, 85 x 203 ft., rein.-con., brick, steel, 10th and Ormsby Sts., for Henry Vogt Machine Co., 10th and Ormsby Sts. $275,000.

O., Dayton—STORE and APARTMENT—Buckeye Home Builders, Inc., Amer. Bldg., plans by R. A. Carnahan, Mutual Home Bldg., 2 story, basement, 100 x 150 ft., brick, plain found. Fairview and Salem Sts. $200,000.

Mich., Detroit—HOTEL—Owner, c/o H. Jerome Darling, archt., 1st Natl. Bank Bldg., 6 story, basement, 86 x 100 ft., rein.-con., brick, steel, stone, plain found. $400,000.

Ill., Chicago — APARTMENT — Briar Tower Building Corp., c/o Oman & Lilienthal, 431 North Michigan Ave., 20 story, basement, brick, steel, terra cotta, on 84 x 135 ft. site, 413-423 Briar Pl. $2,100,000.

Ill., Chicago—APARTMENT—East Fiftieth Street Building Corp., c/o Leichenko & Esser, archts., 38 South Dearborn St., sketches 21 story, basement, 76 x 125 ft., 1638-44 East 50th St. $1,500,000.

Ia., Des Moines—THEATRE—A. H. Black Theatres, Inc., c/o A. H. Black, pres., 300 Commonwealth Bldg., sketches remodeling, enlarging 2 story, brick, steel, stone, terra cotta, from 1,759 to 2,800 seating capacity. $500,000.

S. D., Sioux Falls—THEATRE—Eighth Street & Phillips Avenue Building Corp., J. H. Kirby, plans 12 story, basement, 132 x 150 ft., rein.-con., brick theatre. $1,000,000.

Mont., Great Falls—STORE—Paris Dry Goods Co., F. A. Figman, pres., plans by McIver & Cohagen, 115 11th Ave. S., 4 story, basement, 100 x 150 ft., rein.-con., brick, terra cotta, 4th St. $300,000.

Mo., Kansas City—OFFICE—New England Natl. Bank, sketches by Wright & Wright, 1st Natl. Bank Bldg., 23 story, basement, rein.-con., steel. $2,500,000.

Mo., Richmond Heights (mail St. Louis) —HOSPITAL—Sisters of St. Mary, c/o Sisters Raphael, superior, soon lets contract 3 story, basement, rein.-con., brick, stone, Clayton and Bellevue Aves. $300,000. O'Meara & Hills, 1036-42 Arcade Bldg., St. Louis, archts. Noted June 14.

Mo., St. Louis—APARTMENT—Maxine Realty Co., c/o F. Yawitz, 2333 Pine St., sketches 10 story, basement, 58 x 200 ft., rein.-con., brick, stone, terra cotta apartment, incl. 60 car garage, 4339-41 West Pine Blvd. $750,000.

Mo., St. Louis—AUDITORIUM—Bd. P. Serv., City Hall, bids in late summer or fall, 5 story, basement, rein.-con., steel, stone, Market St. between 14th and 15th Sts. $5,000,000. Municipal Plaza Comn., Inc., c/o owner, archts. and engrs. Noted Oct. 6.

Mo., St. Louis—HOTEL and BUS TERMINAL—C. E. Lane, 1700 Morgan St., and Manske & Bartling, archts, 410 North Euclid Ave., bids after Sept. 1, 5 story, basement, rein.-con., brick, stone, terra cotta, Olive St. west of 18th St. $300,000. Noted July 19.

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Tex., Alice—HOTEL—Alice Hotel Co., c/o H. E. Prisnall, Alice State Bank, revised plans by Hadry & Curran, 709 Nixon Bldg., Corpus Christi, 5 story, basement, rein.-con., brick, plain found. $200,000. Former bids unopened. Noted July 19.

Tex., Dallas — HOTEL — W. S. Dunne, archt., 301 Melba Bldg., bids after Sept. 1, 12 story, stone, steel, rein.-con., Main and Martin Sts., for C. A. Mangold and E. W. Morten, c/o Morten Investment Co. $750,000. Noted Dec. 29.

Tex., Marlin—HOTEL—Chamber of Commerce soon takes bids 7 story, brick, stone, rein.-con. $450,000.

Tex., New Braunfels — HOTEL — New Braunfels Hotel Co., c/o E. Fischer, plans by H. P. Smith, c/o Natl. Bank of Commerce Bldg., San Antonio, 4 story, part basement, 75 x 100 ft., L-shaped, brick, rein.-con., plain found. $160,000. Noted June 14.

Tex., San Antonio—BUSINESS—Martin-Jefferson Co., Inc., c/o T. Ethridge, pres., 230 Bway. St., business building, Martin and Jefferson Sts. $600,000 or more.

Tex., San Antonio—MOTOR BUS TERMINAL—Herff & Jones, archts. c/o San Antonio Loan & Trust Co. Bldg., soon lets contract 1 and 2 story, brick, rein.-con., Navarro, Martin and Pecan Sts., for Martin-Navarro Co., c/o L. W. Lipscom, pres., Frost Bank Bldg. $200,000. Noted July 5.

Okla., Cordell—EXCHANGE—Southwestern Bell Phone Co., 11th and Pine Sts., St. Louis, Mo., sketches by I. R. Tomerlin, St. Louis, Mo., 2 story, basement, rein.-con., brick, plain found., Hill St. $175,000.

Okla., Tulsa — APARTMENT — C. T. Aaronson, Court Arcade Bldg., plans by A. C. Wiser, archt. and engr., Court Arcade Bldg., 6 story, basement, 100 x 140 ft., rein.-con., brick, plain found., Colder St. $31,000. $310,000.

Wash., Seattle—HOTEL—United Hotels Co., F. W. Hull, pres., Olympic Hotel, 10 story, 400 room, rein.-con., brick, steel addition to Olympic Hotel, 5th and University Sts. $1,000,000.

Calif., Berkeley—OFFICE—Mason-McDuffie Co., 2045 Shattuck Ave., plans by E. L. Snyder, 2045 Shattuck Ave., 1 story, basement, rein.-con., Shattuck Ave. $150,000.

Calif., Glendale—THEATRE and SHOP—J. A. Menard, Menard Playhouse, sketches by J. R. Schaffer, 600 South Brand Blvd., 2 story, 90 x 170 ft., rein.-con., incl. auditorium, office, apartments, Brand Blvd. between Maple and Windsor Sts. $150,000.

Calif., Long Beach—HOSPITAL—Sisters of Icarnate Word, plans by I. E. Loveless, Chester Williams Bldg., Los Angeles, 150 bed capacity, rein.-con. $500,000.

Calif., Los Angeles — APARTMENT — R. L. Byrd, 406 San Fernando Bldg., plans by C. Walsh, San Fernando Bldg., 6 story, basement, rein.-con., Rossmore Ave. $175,000.

Calif., Los Angeles—APARTMENT—R. E. Ford, 3757 Wilshire Blvd., plans by L. A. Bryant, 700 South Le Brea Ave., 6 story, basement, 98 x 125 ft., brick, North Vermont Ave. $175,000.

Calif., Los Angeles—HOSPITAL—Monte Sano Sanitarium & Hospital, plans by A. C. Martin, Higgins Bldg., 3 story, basement, sub-basement, 60 x 110 ft., stucco, incl. operating rooms, power plant, 2834 Glendale Blvd. $150,000.

Calif., Los Angeles—OFFICE and SHOW ROOM, etc.—Kittenger Co., 1893 Elmwood Ave., Buffalo, N. Y., 2 story, 35,000 sq.yd. floor space, office and show room, 1 story, 500,000 sq.ft. floor space factory, Industrial St. $500,000 or more. Private plans. H. C. Emmons, 110 Oakland St., Pasadena, local representatives.

Calif., Redlands—HOTEL—R. W. Purpus, 875 Subway Terminal Bldg., plans by E. M. Frasier, 875 Subway Terminal Bldg., Los Angeles, 2 and 3 story, 125 room, Smiley Heights. To exceed $150,000.

Calif., San Diego—APARTMENT—Anderson & Lichty, c/o W. H. Wheeler, archt., Spreckels Bldg., 13 story, basement, 100 x 100 ft., rein.-con., 10th and B Sts.

Calif., San Diego—HOTEL—A. Austin, 420 South St. Andrews Pl., Los Angeles, plans by J. N. Conway, 1619 Brighton Way, Beverly Hills, fireproof, Moonlight Beach. $300,000 or more.

Calif., San Fernando—BOYS HOME—See "Bids Desired."

Calif., San Francisco—APARTMENT—E. Tropp, 105 Montgomery St., San Francisco, plans by D. Stone, 354 Hobart St., Oakland, 14 story, basement, 250 room, Class "A" Pacific Ave. $650,000.

Calif., San Francisco — THEATRE and STORE—S. H. Levin, 1182 Market St., plans by Miller & Pflueger, 580 Market St., 2 story, rein.-con., theatre, 2,000 seating capacity, Ocean Ave. $250,000.

Calif., Santa Monica — HOTEL — C. E. Hamilton, 703 South Manhattan St., Los Angeles, rein.-con. addition to Miramar Hotel. $150,000 or more.

Ont., Toronto — THEATRE — Famous Players Canadian Corp., Royal Bank Bldg., plans by T. W. Lamb, 644-8th Ave., New York, 1 and 2 story, basement, 4,200 seating capacity, brick, stone concrete found., Yonge and Hayter St. $1,500,000.

Que., Outremont — THEATRE—F. Trudeau, theatre, Champaneur Ave. $300,000.

Bids Desired

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Brockton — COURTHOUSE—Aug. 9, by Plymouth Co. Comn., F. T. Bailey, chn., Court House, altering and constructing 2 story, basement, 60 x 100 ft., brick, granite, terra cotta additional, plain found. $250,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted Mar. 15.

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Hingham — THEATRE, STORE and OFFICE—See "Contracts Awarded."

Mass., Roslindale (sta. Boston)—STORE and OFFICE—P. Basile, 20 Taft Pl., taking bids 2 an 3 story, basement, 30,000 sq. ft. floor space, brick, stone, plain found., Washington and Popular Sts. $155,000. M. E. Levy, 43 Tremont St., Boston, archt. Noted July 19 under "Boston."

Mass., South Boston (sta. Boston)—STORE and OFFICE—S. Ruggiero, 237 Dorchester St., taking bids altering, 2 story, brick addition, plain found., 489 Bway., $150,000. M. J. Mastraangelo, 369 Hanover St., Boston, archt.

Conn., West Haven (br. New Haven)—SCHOOL—Aug. 8, by Town, Bd. Educ., altering and constructing 1 and 2 story, 75 x 224 ft., brick, steel, cast stone addition, incl. auditorium, gymnasium, Main St. $150,000. R. W. Foote, 185 Church St., New Haven, archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—THEATRE—A. L. M. Development Corp., 3145 East 4th St., taking bids general contract 1 story, 85 x 200 ft., brick, steel, Avenue M and East 19th St. $350,000. C. A. Sandblom, 145 West 45th St., New York, archt. Noted Apr. 26.

N. Y., Hollis (mail Jamaica)—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — HOME — Peabody Home Corp., E. K. Warren, pres., 2064 Boston Rd., taking bids general contract 5 story, 41 x 137 ft., brick, timber, Pelham Parkway and Hone Ave. $250,000. Allen & Collens, 415 Lexington Ave., archts. Noted July 19.

N. Y., New York—LOFT—See "Contracts Awarded."

N. Y., Saratoga Springs—BATH HOUSE—Aug. 17, by Commissioner Conservation Dept., Albany, Lincoln Bath House. W. E. Haugaard, 353 Bway., Albany, archt. Noted July 12.

N. Y., Sonyea—INFIRMARY—Aug. 22, by Commissioner Dpt. Mental Hygiene, Albany, female infirmary, at Craig Colony, here; adv. E. N.-R. Aug. 2. Noted May 24.

N. Y., Syracuse—WAREHOUSE—Aug. 9, by Flagg Storage Warehouse Co., 300 Canal St., warehouse, Erie Blvd. and Canal St. $150,000. Kingsley Serv., Inc., 103 East 125th St., New York, archts.

N. J., Clifton (Ind. br. Passaic)—APARTMENTS—See "Contracts Awarded."

N. C., Durham—OFFICE—Aug. 20, by R. E. Dillard, pres., 10 story, basement, professional office building, for Union Professional Building Co. $400,000. M. Tardy, Atlanta, Ga., archt.

N. J., Hoboken—BANK—W. Neumann, archt., 40 Journal Sq., Jersey City, taking bids 2 story, basement, 45 x 80 ft., brick, steel, plain found., 4th and Grand Sts., for City Steneck Trust Co., H. Steneck, pres., 95 River St. $150,000. Noted July 19.

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—STORE and APARTMENT—Tube Realty Corp., M. Huppert, pres., 2328 Hudson Blvd., taking bids separate contracts 5 story, basement, 105 x 175 ft., brick, steel, plain found., Summit, Mag-

Buildings—Commercial (Continued)

nolia and West Sts. $200,000. C. Sholowitz, 26 Journal Sq., archt. Noted July 19.

N. J., Morsemere — APARTMENT—See "Contracts Awarded."

N. J., Morristown — HOTEL — H. J. Nurick, archt., 44 Court St., Brooklyn, N. Y., taking bids general contract 3 story, basement, 70 x 140 ft., brick, steel, plain found., Mendham Rd., for Aurora Health Farm. $150,000.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., New Brunswick—APARTMENT—See "Contracts Awarded."

N. J. Nutley—APARTMENT—See "Contracts Awarded."

N. J., Orange—APARTMENT—See "Contracts Awarded."

N. J., Radburn (mail Paterson)—APARTMENT — City Housing Corp., 18 East 48th St., New York, taking sub-bids 3 story, basement, brick, plain found. apartment, playgrounds. $1,000,000. C. E. Stein, H. Wright, R. Kohn, F. Ackerman, 56 West 45th St., New York, archts. Noted Feb. 23.

N. J., Raritan—CASINO and HOTEL—Diglio Democratic Assn., 340 4th St., Jersey City, bids about Aug. 15, 2 story, basement, 125 x 125 ft., brick, steel, plain found., Oak Tree Park. $150,000. P. O. Simeone & Co., Inc., 22 Journal Sq., Jersey City, archts. Noted July 19.

N. J., Red Bank—AUTO SALES ROOM and APARTMENT—V. J. Eck, archt., Broad St., taking bids 2 story, basement, 75 x 100 ft., brick, steel, plain found., Broad St. and Harding Rd., for H. L. Zobel Co., $150,000.

N. J., Ridgefield — BANK — Francisco & Jacobus, archts. and engrs., 511 5th Ave., New York, taking bids general contract 2 story, basement, brick, steel, plain found., Broad and Edgewater Aves. for Ridgefield Natl Bank, Broad Ave. $150,000. Noted June 14.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—See "Contracts Awarded."

N. J., Verona (Ind. br. Montclair)—SANITARIUM—Aug. 17, by Bd. Freeholders Essex Co., G. C. Bergen, purch. agt. Hall of Records, 3 story, basement, rein.-con., steel, brick, plain found., incl. hospital, dormitories, community house, superintendent's garage. $2,000,000. Sutton, & Calkins, 402 Broad St., Newark, archts., Runyon & Carey, 31 Fulton St., Newark, engrs. Noted July 12.

Pa., Bloomsburg—HOSPITAL — Aug. 8, by Bloomsburg Hospital, J. S. John, pres., 214 West Main St., hospital. $250,000. Ballinger Co., 105 South 12th St., Phila., archts. H. C. Wright, 289 4th Ave., New York consult. archt.

Pa., Phila.—APARTMENT—Aug. 8, by G. H. Murphy, archt., 4432 Frankford St., 4 story, basement, 42 x 46 ft., and 56 x 115 ft., brick, steel, plain found., 51st and Woodland Sts., for L. Cantafio, c/o architect. $200,000.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

D. C., Wash.—STORES—Potomac Freight Terminal Co., 4th and D Sts. S.W, bids about Aug. 15, general contract 30 stores, Water St. from 12th to 14th Sts. S.W. $300,000. W. H. Cookman, Penn. R.R. Co., Broad St. Sta, Philadelphia, Pa., archt.

Ind., Indianapolis—**Y.W.C.A., 329** North Penn St., taking bids 3 story, basement, 120 x 124 ft., brick, steel, rein.-con. known as P. Wheatly Building, West and Walnut Sts. $160,000. F. S. Cannon, 21 Virginia Ave., archt.

Ind., South Bend—CELL HOUSE—Aug. 13, by Bd. Comrs. St. Joseph Co., new cell house, remodeling St. Joseph Co. Infirmary, German Twp., 3 mi. from here. F. P. Crowe, co. aud.

Mich., Detroit—FIRE HEADQUARTERS—Aug. 14, by H. Brabyn, secy. Bd. Fire Commissioners, Wayne and Larned Sts., 5 stor, basement 120 x 128 ft., rein.-con., brick, steel, stone, plain found., Larned St. $450,000. H. Gehrke, 2457 Woodward Ave., archt.

Mich., Detroit—STORE and WAREHOUSE — Marsh Furniture Co., 6322 Gratiot Ave., taking bids 3 story, basement, 40 x 100 ft., rein.-con., brick, steel, plain found., Gratiot Ave. $150,000. Weston & Ellington, 1507 Stroh Bldg., archts.

Mich., Flint — HOTEL — Malcolmson & Higginbotham, archts., 1219 Griswold St., Detroit, bids about Aug. 8, 3 story, basement, 72 x 130 ft., rei- -con., brick, steel, plain found., for Pierce & Davidson, Capitol Theatre Bldg. $160,000.

Ill., Chicago—HOTEL—Rissman & Hirshfield, archts., 228 North La Salle St., taking bids 3 story, basement, brick, on 40 x 220 ft. site, 3831 Rokeby St., for Rokeby Hotel Co., c/o E. J. Perlberg, 134 North La Salle St. $350,000.

Tex., Laredo — OFFICE — A. M. Bruni, Laredo, taking bids 5 story, basement, 55 x 110 ft., rein.-con., brick, plain found., $150,000. Adams & Adams, Real Estate Bldg., San Antonio, archts.

Tex., Pampa—COURTHOUS7—Aug. 13, by Comrs. Gray Co., T. M. Wolfe, Pampa, judge, 4 story, part basement, 86 x 120 ft., rein.-con., brick, stone, steel, plain found. $300,000. W. R. Kaufman, 1007 Monroe St., Amarillo, archt. Noted June 21.

Calif., Fullerton—CHURCH—Allison & Allison, archts., Hibernian Bldg., Los Angeles, taking bids 1 story, part basement, timber, church, for Methodist Epicopal Church, $150,000.

Calif., Glendale—MUNICIPAL—Aug. 9, by City Council, 6 story, basement, 50 x 140 ft., rein.-con., steel, North Howard St. $160,000. A. F. Priest, Fay Bldg., Los Angeles, archt. Noted June 14.

Calif., Hollywood — APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Santa Ana—STORE and SHOP—See "Contracts Awarded."

Contracts Awarded

Mass., Boston — APARTMENT — Dome Realty Co., S. Rottenburg, 294 Washington St., 5 story, basement, brick, stone, plain found., 1999-2003 Commonwealth Ave., separate contracts. Silverman & Brown, 51 Cornhill, archts.

Mass., Boston — STORE and OFFICE—E. Henderson, 80 West Cedar St., 8 story, basement, 30 x 100 ft., brick, steel, stone, plain found., to E. R. Boyle, 264 Beacon St. Est. $150,000. Former contract rescinded. Noted May 3.

Mass., Braintree (Ind. br. Boston)—HOSPITAL—Bd. Trustees Norfolk Co. Hospital, altering and constructing 2 story, basement, irregular sized, brick, stone addition, plain found., Braintree Heights, to Frankini Bros., 30 Mystic Ave., Medford. Est. $150,000. Noted July 19.

Mass., Brighton (sta. Boston)—APARTMENT—J. Moncher, 4 Maybrook St., Dorchester, 4 story, basement, brick, stone, plain found, 15-17 Lothien Rd., separate contracts.

Mass., Brookline (br. Boston)—APARTMENT—Carlin Bros., 11 Beacon St., Boston, 3 story, basement, 155 x 245 ft., brick, steel, stone, plain found., Beaconsfield and Dean Rds., separate contracts. $350,000. Noted July 26.

Mass., Fall River—THEATRE—W. Durfee, 80 North Main St., and J. M. Darling, archt., 56 North Main St., rebuilding 1 story, basement, 45 x 95 ft., brick, steel, plain found., to Olympia Constr. Co., 333 Washington St., Boston. Est. $200,000. Rialto Amusement Co., N. Yamins, 160 Bank St., lessee. Noted June 28.

Mass., Hingham — THEATRE, STORE and OFFICE—Owner, c/o Krokyn & Browne, archts., 220 Devonshire St., Boston, 2 story, basement, irregular sized, brick, steel, plain found., Main and South Sts., separate contracts. $150,000. Noted June 7.

Mass., Hyde Park (Ind sta. Boston)—WAREHOUSE—Tileston & Hollingsworth Paper Mfg. Co., 211 Congress St., Boston, rein.-con., brick, steel addition, plain found., River St., to M. C. Tuttle Co., Park Sq. Bldg., Boston. Est. $100,000.

Mass., Lowell—WARD and SERVICE—Lowell General Hospital, J. F. Sawyer, treas., Varnum Ave., 45 x 160 ft. ward building, and 55 x 100 ft. service building, both 2 story, basement, brick, plain found., hospital grounds, to J. W. Bishop Co., 109 Foster St., Worcester. Est. $200,000 and $150,000 respectively. Noted July 5.

Mass., North Attleboro — THEATRE, STORE and OFFICE—New England Theatres Operating Co., 19 Milk St., Boston, 2 story, basement, 90 x 125 ft., brick steel, stone, plain found., to A. Piotti Co., 706 Dudley St., Dorchester. Est. $150,000. Noted June 28.

Mass., Watertown—BANK—Watertown Savings Bank, c/o R. C. Sturgis, archt., 120 Boylston St., Boston, 1 and 3 story, basement, brick, steel, limestone, rein.-con., plain found., Watertown Sq., to W. H. Iliffe, 93 North Beacon St. Est. $150,000.

Conn., Hartford — STORE — Sage-Allen Co., 846 Main St., 6 story, brick, steel, 65,000 sq.ft. floor space, to G. Cudemo and Southern New England Constr., Inc., 68 Temple St. Est. $500,000. Noted July 19.

N. Y., Brooklyn — APARTMENT — Kaplan, pres, 248 East 51st St., 6 story, 89 x 130 ft., brick, timber, 15th Ave. and 55th St., separate contracts. $250,000. Shampan & Shampan, 188 Montague St., archts.

N. Y., Brooklyn—APARTMENT—Tacoma Building Corp., J. Tavi, pres., 284 Ave. V, 4 story, 89 x 100 ft., brick, timber, 12th Ave. and 70th St., separate contracts. $150,-000. Lama & Proskaner, 391 Fulton St., archts.

N. Y., Brooklyn — THEATRE — Allied Owners Corp., H. A. Marks, 331 Madison Ave., New York, theatre, Pitkin and Barrett Sts., to Thompson-Starrett, 250 Park Ave., New York. Est. $750,000. Noted Apr. 12.

N. Y., Hollis (mail Jamaica)—APARTMENT—Seiteck Building Corp., 191-20 Jamaica Ave., 55 x 107 ft., brick, timber, Woodhull and 191st Sts., separate contracts. $180,000. A. Fahr, c/o owner, archt.

N. Y., New York—APARTMENT—Iron Hill Realty, M. Toonkel, pres., 590 East 161st St., 6 story, 87 x 203 ft., brick, timber, Shakespeare and Jerome Aves., separate contracts. $400,000. Schaefer & Rutkins, 2408 Grand Concourse, archts. Noted July 19.

N. Y., New York—APARTMENT—Minneford Holding Corp., G. Market, pres., 368 East 148th St., 6 story, 86 x 94 ft., brick, timber Morris Park and Hobart Aves., separate contracts. $200,000. Becker & Levy, 1301 Boston Rd., archts. Noted July 19.

N. Y., New York—APARTMENT—Ramol Realty Corp., L. Strum, pres., 17 West 45th St., 6 story, 87 x 100 ft. and 86 x 100 ft., brick, timber, Watson and Manor Sts., separate contracts. $400,000. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts. Noted July 19.

N. Y., New York—APARTMENT—Southern Gardens, Inc., A. Sairnelli, pres., 344 East 149th St., apartment, 147th St. and Southern Blvd., separate contracts. $1,000,-000. A. E. Schaefer, 2408 Grand Concourse, archt.

N. Y., New York—LOFT—B. B. Davis, Co., 14 story, brick, 248 Hudson St., separate contracts. $1,000,000. W. Higginson, 101 Park Ave., archt. Noted May 31.

N. J., Clifton (Ind. br. Passaic)—APARTMENTS—Larson Realty Corp., 785 Main Ave., two 3 story, basement, 75 x 110 ft., brick, steel, plain founds., 785-95 Main Ave., separate contracts. $150,000. H. Gerretsen, 118 Passaic Ave., Garfield, archt.

N. J., Irvington (br. Newark)—APARTMENT—N. S. Kapnek, 26 Wolcott Terrace, Newark, 5 story, basement, 70 x 180 ft., brick, steel, plain found., 10-24 38th St., separate contracts. $300,000. A. J. Silberstein, 60 Park Pl., Newark, archt. Noted July 19.

N. J., Morsemere — APARTMENTS—Rigbert Realty Co., North Broad Ave., two 5 story, basement, brick, steel, plain found., North Broad St. and Harriet Ave., separate contracts. $300,000. H. F. Paddon, 55 West 42nd St., New York, archt.

N. J., Newark—APARTMENT—S. Goldberg, 393 South Belmont Ave., 3 story, basement, 90 x 100 ft., brick, steel, plain found., 483-91 Clinton St., separate contracts. $150,000.

N. J., Newark — FIRE HOUSE — Dpt. Parks & Pub. Property, City Hall, 3 story, basement, brick, steel, High St., to D. J. Cronin, 713 South Orange Ave., $92,900.

N. J., New Brunswick—APARTMENT—Eldorado, Inc., 43 Hill St., Newark, 5 story, basement 75 x 100 ft., brick, steel, plain found., 2nd Ave. and Montgomery St., separate contracts. $150,000. Noted July 26.

N. J., Nutley — APARTMENT — Clover Holding Co., 44 Center St., 3 story, basement, 100 x 100 ft., brick, steel, plain found. Clover and Center Sts., separate contracts. $150,000. H. I. Furlong, 44 Center St., archt. Noted July 19.

N. J., Orange—APARTMENT—Bilt-Wel Co., 135 Hill St., 4 story, basement, 95 x 105 ft., brick, steel, stucco, plain found., Whitehall Rd., separate contracts. $150,000. Noted July 26.

N. J., Ridgewood—CLUB—C. C. Wendehack, archt., 101 Park Ave., New York, general contract 2 story, basement, irregular sized, brick, stucco, plain found., to Adams-Faber Co., 247 Lorraine Ave., Upper Mountclair, for Ridgewood County Club, McKinley Pl., Est. $150,000. Noted June 14.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—M. Merlis, 363 West Jersey Ave., Elizabeth, 3 story, basement, 75 x 100 ft., brick, steel, plain found., East 3rd and Sheridan Aves., separate contracts. $150,-000. Noted July 26.

Pa., Duquesne — THEATRE — M. Roth, Terrace Court Apartments, Pittsburgh, 2 story, basement, 120 x 165 ft., brick, steel, to M. Agerman, 811 Rebecca St., Wilkinsburg. Est. $150,000. Noted June 28.

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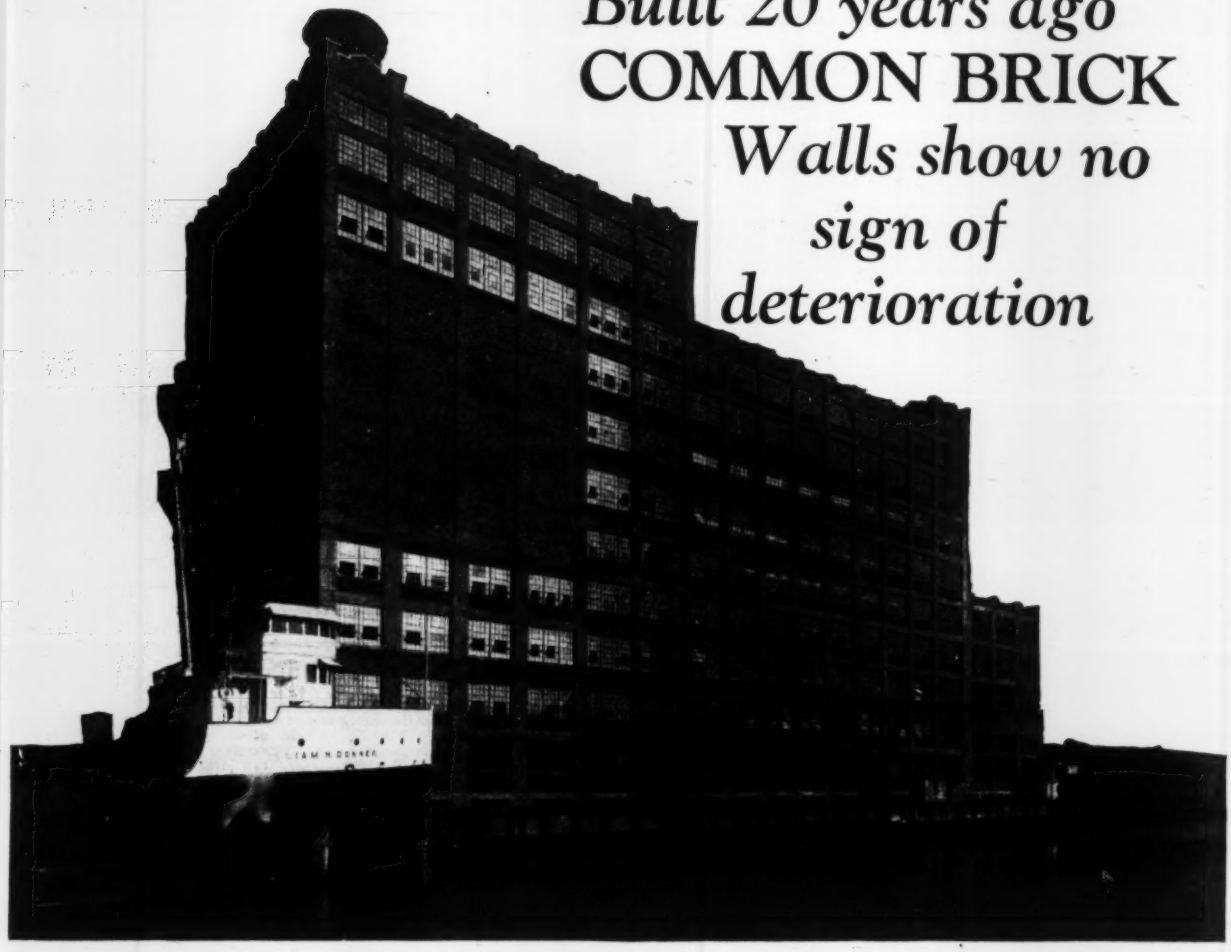
Built 20 years ago COMMON BRICK *Walls show no sign of deterioration*



Water on one side, a dry basement on the other

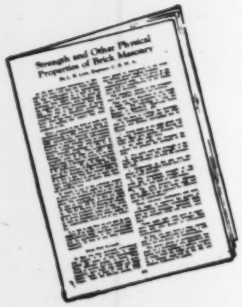
THE Pugh Terminal Warehouse at North Pier, mouth of the Chicago river, is an excellent example of the permanency of Common Brick. Built 20 years ago is today as good as new.

An interesting point in the construction of this building is that Common Brick was specified in order to save time, as this mammoth building had to be completed within 90 days. The use of brick enabled the contractor to complete the job two weeks ahead of specified time.

Another important feature is the use of brick along the waterfront with a coating of portland cement on the exposed side. This construction has proven absolutely waterproof.

This building averages six stories high on the street side and seven high on the water front, is 1800 feet long by 122 ft. in width.

A great many contractors are specifying Common Brick for buildings of all sorts and the foregoing confirms the wisdom of this trend in building.



This Paper

gives in detail the results of tests made by the Bureau of Standards and shows the strength and other physical properties of various kinds of brick construction work. Write for a copy—no obligation.

At Your Service
These District Association Offices and Brick Manufacturers' Everywhere

BOSTON
11 Beacon Street
CHICAGO
228 No. LaSalle Street
CLEVELAND
2124 Guarantee Title Bldg.
DENVER
1735 Stout Street
DETROIT
400 U. S. Mortgage Trust Bldg.
HARTFORD
226 Pearl Street
NEW YORK CITY
1716 Grand Central Terminal

THE COMMON BRICK MANUFACTURERS ASSOCIATION OF AMERICA
2175 Guarantee Title Building
CLEVELAND, OHIO

BRICK *forever*

At Your Service
These District Association Offices and Brick Manufacturers Everywhere

NORFOLK, VA.
112 W. Plume Street
PHILADELPHIA
121 N. Broad Street
PITTSBURGH
702 First National Bank Bldg.
RALEIGH, N. C.
508 Commercial Nat'l Bank Bldg.
ROCHESTER, N. Y.
P. O. Box 773
SALT LAKE CITY
301 Atlas Block
SEATTLE
913 Arctic Bldg.

Buildings—Commercial (Continued)

Pa., Phila. — APARTMENT — Greene & Johnson Corp., c/o Stuskert & Co., archts., 1600 Arch St., 4 story, basement, 200 x 237 ft., rein.-con., brick, steel, plain found., Greene and Johnson Sts., separate contracts. Noted June 21.

Pa., Phila.—APARTMENT—R. A. Robertson, Land Title Bldg., 4 story, basement, 25 x 46 ft., and 40 x 105 ft., brick, steel, plain found., 13th and Lindley Sts., to M. Cohen, Bankers Trust Bldg. Est. $150,000.

Pa., Phila.—MORGUE—Dpt. P. Wks., Bureau City Property, City Hall, 2 story, basement, 90 x 150 ft., brick, stone, plain found., 13th and Wood Sts., to McCormick-Lenham Co., Broad and Tasker Sts., $188,965. Noted June 7.

Pa., Phila.—PROFESSIONAL—Germantown Professional Building Corp., c/o W. H. Lee, archt., 150 Race St., 4 story, basement, 50 x 100 ft., rein.-con., brick, steel, plain found., Greene and Coulter Sts., to Nelson-Pedley Co., Corn Exch. Bldg. Est. $150,000.

Pa., Phila. — WAREHOUSE — Fenton Storage Co., 52nd and Kershaw Sts., 4 story, basement, 112 x 130 ft., rein.-con., brick, plain found., Girard Ave. and 44th St., to Robbins Constr. Co., 1139 North Front St. Est. $400,000.

Pa., Pittsburgh— WAREHOUSE—Carnegie Steel Co., Carnegie Bldg., 1 story, 284 x 307 ft., brick, concrete, steel, Lighthill St. $296,000. Owner builds. Private plans.

D. C., Wash.—HOSPITAL—A. P. Clark, archt., 816 14th St., 8 story, 41 x 100 ft. addition to Emergency Hospital, to A. L. Smith Co., 2525 Penn. Ave. N.W.

Ga., Carrollton—COURTHOUSE—Comrs. 2 story, basement, 70 x 114 ft., brick, steel, rein.-con., plain found., to Carr Constr. Co., Candler Bldg., Atlanta, $147,361. Noted June 14.

Tenn., Memphis—APARTMENT, STORE and GARAGE—W. E. White & Co., 10 South 2nd St., 8 story, rein.-con., brick, on 155 x 213 ft. site, Court Ave. and Manassas St., to S. & W. Constr. Co., Shrine Bldg. Est. $700,000.

O., Cleveland — TERMINAL — Northern Ohio Food Terminal Co., C. Haas, 562 Bway., (1st unit) 2 story, 100 x 480 ft., brick, rein.-con., Croton Ave., to Craig-Curtiss Co., 4614 Prospect Ave. Est. $450,000. Noted June 28.

O., Cleveland — WAREHOUSE — Nickel Plate Development Co., c/o W. J. Bergen, asst. pres., Terminal Tower, 1 story, 50x 261 ft., brick, steel, Commercial Rd., to S. W. Emerson Co., 1836 Euclid Ave. Est. $150,000.

Ind., Indianapolis—WAREHOUSE and OFFICE—Kroger Grocery Co., 230 West McCarthy St., general contract 4 story, basement, rein.-con., brick, steel, East St. Clair St., to W. P. Jungclaus, 825 Massachusetts Ave. Est. $300,000. Noted July 5.

Mich., Detroit—CLUB HOUSE—Old Colony Club of Detroit, G. Godfrey, 420 Book Bldg., 8 story, basement, 80 x 92 ft., rein.-con., brick., plain found., to Walbridge Aldinger Co., Penobscot Bldg. Noted May 10.

Ill., Chicago—APARTMENT HOTEL—D. J. Schaffner, archt., 64 West Randolph St., masonry and carpentry contract 7 story, basement, 50 x 148 ft., to Wahl Constr. Co., 3310 Belmont Ave.; plumbing, to Economy Plumbing & Heating Co., 1308 South Crawford St.; heating, to Adelman Heating Co., 3324 5th Ave., for Chicago Arms, c/o architects. Est. $350,000. Noted June 21.

Ill., Chicago—SALES and SERVICE—Community Motors, Inc., 235 East 33rd St., general contract 2 story, 128 x 176 ft., rein.-con., Madison and LeVergne Sts., to Holton, Seeley & Co., 140 South Dearborn St. Est. $300,000.

Ill., Decatur—EXCHANGE—Holabird & Root, 333 North Michigan Ave., general contract 3 story, basement, 87 x 92 ft., to English Bros., Champaign, for Illinois Bell Telephone Co., c/o architects. Noted June 21.

Ill., Joliet—OFFICE and STORE—H. V. Von Holst, archt., 77 West Monroe St., Chicago, general contract 4 story, basement, 75 x 150 ft., to Hansen & Peterson Co., Joliet, for Pub. Serv. Co. of Northern Illinois, 72 West Adams St., Chicago. Noted June 21.

Wis., Milwaukee—OFFICE—Water-Wisconsin Holding Co., 196 West Water St., general contract 14 story, basement, 112 x 120 ft., Wisconsin and East Water Sts., to Lundorff & Bicknell Co., 180 North Michigan Ave., Chicago, Ill.

Minn., Faribault—HOTEL—Harvey Hotel Co., c/o T. J. Harvey, general contract 4 story, basement, rein.-con., brick, stone, to Madsen Constr. Co., 618 National Bldg., Minneapolis. Est. $250,000. Noted July 5.

Minn., Minneapolis—Minneapolis Y. W. C. A., C. C. Webber, chn. building com., 87 South 7th St., general contract 8 story, basement, rein.-con., brick, stone 12th St. and Nicollet Ave., to H. N. Leighton Co., 127 South 10th St. Est. $600,000. Noted July 12.

Ia., Oskaloosa — HOSPITAL — Mahaska Co., general contract 4 story, 42 x 124 ft., brick, concrete, to Jones Constr. Co., Oskaloosa, $108,450. Est. $150,000. Noted May 24.

Neb., Omaha—GARAGE—E. R. Porter, 324 Brandies Theatre Bldg., 3 story, basement, 146 x 198 ft., rein.-con., brick, to Parsons Constr. Co., Grain Exch. Bldg., $150,000. Wetherell Motor Co., c/o W. H. Wetherell, 20th and Harney Sts., lessee. Noted June 7.

Neb., Omaha — OFFICE — Union Pacific R. R. Co., H. E. Mann, ch. engr., general contract 12 story, basement, 64 x 132 ft., rein.-con., brick, steel addition, to John Lof & Sons, 4012 Lake St. Est. $1,000,000. Noted June 26.

Mo., St. Louis—APARTMENT—Dubinsky Realty Co., 504 Wainwright Bldg., 3 story, basement, rein.-con., brick, terra cotta, to J. Rubin & Sons, 904 Chestnut St. Est. $175,000. Noted June 14.

Mo., St. Louis—STORE and LOFT—Marquette Investment Co., c/o T. H. Glancey, 4430 West Pine Blvd., 10 story, basement, 106 x 150 ft., rein.-con., brick, terra cotta, 18th and Washington Sts., to McKelvey-Carter Constr. Co., 3800 West Pine St.

Ark., Rogers—HOTEL—S. A. Lane, c/o Gleason Hotel, Little Rock, 5 story, 40 x 81 ft., rein.-con., terra cotta, to G. F. Hentschel, Springfield, Mo. Est. $200,000. Noted June 21.

Tex., Dallas—DEPARTMENT STORE—Titche-Goetinger Co., E. Titche, pres., 8 story (ultimately 16 or 18 story) 125 x 200 ft., rein.-con., to Watson Co., 1927 South Akard St., $1,000,000. Noted July 26.

Tex., Houston — HOTEL — Warwick Apartments, remodeling, Main and Herman Sts., to Don Hall, Cotton Exch. Bldg., $150,000.

Tex., Point Isabel—HOTEL—F. M. Bartholomew, 5434 North Penn St., Indianapolis, Ind., 5 story, basement, 100 x 120 ft., rein.-con., steel, plain found., to Puget Sound Bridge & Dredging Co., Puget, Wash. $250,000.

Wash., Everett — STORE — M. J. Rumbaugh, 3 story, basement, steel, concrete, brick, terra cotta, Wetmore and California Aves., to A. D. Belanger, Everett. Est. $250,000.

Calif., Glendale — OFFICE — Glendale Professional Holding Co., 6 story, 50 x 140 ft., rein.-con., marble, tile, Central and Salem Sts., to J. T. Bibb, 214 North Brand Blvd., $260,000. Noted July 19.

Calif., Hollywood — APARTMENT—I. Messenger, 854 Formosa Ave., 4 story, basement, 50 x 180 ft., brick, day labor and sub-contracts. $150,000. O. Coldewe, 8271 Melrose Ave., archt.

Calif., Los Angeles—APARTMENT—J. L. Altman, 5 story, basement, brick, steel, Pelisser Sq., to A. Bard & Co., 1014 Pacific Natl. Bank Bldg., $170,000.

Calif., Los Angeles — APARTMENT — R. E. Ford, 3757 Wilshire Blvd., 6 story, 97 x 123 ft., rein.-con., Vermont and Ambrose Aves., sub-contracts. $165,000. Noted May 4.

Calif., Los Angeles — APARTMENT — M. L. Gleize, 5 story, basement, brick, steel, North Van Ness Ave., to J. Fiske Co., Hibernian Bldg., $155,000.

Calif., Los Angeles—APARTMENT—P. J. Johnson, 4 story, basement, 60 x 141 ft., timber, 1848 North Gramercy Pl., to Chute Finance & Constr. Co., Inc., 105 East Palmer St., Glendale, $160,000. Noted June 21.

Calif., Los Angeles — APARTMENT — J. H. Layton, 780 East 37th St., 7 story, basement, 93 x 118 ft., rein.-con., tile, Carondelet St. and Ocean Ave., sub-contracts. $275,000.

Calif., Los Angeles — APARTMENT — Landon & Clarke, 4350 Beverly Blvd., 8 story basement, rein.-con., steel, West 2nd St., to Olerich, 4414 West 2nd St., $300,000.

Calif., Los Angeles—APARTMENT—N. Rosefelt, 406 San Fernando Bldg., 6 story, 51 x 120 ft., rein.-con., timber, Rossmore and Rosewood Aves., to R. L. Byrd, 406 San Fernando Bldg., $175,000.

Calif., Los Angeles—HOTEL—Owner, c/o D. C. Powell, archt., 686 South Alvarado St., sketches 9 story, 53 x 130 ft., rein.-con., tile, Alvarado St., sub-contracts. $250,000.

Calif., Los Angeles—STORE and OFFICE—S. C. Lee, archt., Petroleum Securities Bldg., 4 story, basement, 110 x 115 ft., brick, steel, to Baruch Corp., Lincoln Bldg., for L. B. Mayer, et al. $185,000. Noted June 7.

Calif., Oakland — APARTMENT — R. J. Blanco, Howden Bldg., 7 story, steel, concrete, Lakeshore Blvd., to T. J. Keenan, 386 15th St., $300,000. Noted July 19.

Calif., Oakland—OFFICE—Summit Medical Building, Inc., 5 story, basement, rein.-con., 29th and Summit Sts., to K. E. Parker, 135 South Park St., San Francisco, $200,000.

Calif., Sacramento—HOTEL and STORE—R. Rasmussen, 4224 Stockton Blvd., 5 story, basement, 150 room, rein.-con., 6th and J Sts., to Campbell Constr. Co., 800 R St., $175,000. Noted May 17.

Calif., San Francisco — BANK and OFFICE—Hibernian Bank, Jones and McAllister Sts., 1 story, rein.-con., to Barrett & Hilp, 918 Harrison St., $150,000. Noted July 19.

Calif., Santa Ana—STORE and SHOP—Santora Land Co., 2 story, basement, 110 x 150 ft., brick, steel, rein.-con., Bway. and 2nd Sts., day labor and sub-contracts. $150,000.

Buildings—Industrial

Proposed Work

Conn., New Britain—PLANT—Fafnir Bearing Co., Booth St., 6 story, plant.

Conn., Waterbury — FACTORY—Bristol Co., Platts Mills, sketches by F. A. Webster, 51 West Main St., altering and constructing brick addition. $40,000 or more.

N. Y., Brooklyn—SERVICE GARAGE—Hoff Impvt. Co., S. Cohn, pres., 44 Court St., plans by B. A. Glassman, 44 Court St., 1 story, 100 x 131 ft., brick, concrete, Boardwalk and Neptune St. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—A. McKlein, 1035 Rockaway Ave., plans by Kavy & Kavovitt, 350 Stone Ave., 100 x 100 ft. service garage. $50,000.

N. Y., Brooklyn—SERVICE GARAGE—T. Rossa, 421 Rochester Ave., plans by R Driesler, Jr., 153 Remsen St., 1 story, 99 x 100 ft., brick, concrete, Rochester and East New York Aves. $40,000.

N. J., Perth Amboy—FACTORY—D. Goldsmith, c/o G. M. Ricci, archt., 224 Smith St., sketches altering and constructing 2 story, basement, 60 x 75 ft. brick, steel addition, plain found., East Ave. $40,000.

N. Y., New York—SERVICE GARAGE—W. Schwere, 1242 Mayflower Ave., bids in August or September, service garage, Seabury and Westchester Aves. $60,000. J. J. Dunegan, 2382 Grand Concuorse, archt. Noted July 19.

N. Y., New York—SERVICE GARAGE—Harnet Realty Co., 250 West 57th St., soon takes bids 2 story, 100 x 125 ft., brick, concrete, Westchester and Pugsley Aves. $62,500. Cohen & Siegel, 45 West 57th St., archts. Noted July 19.

N. Y., New York—FACTORY, STORAGE, STORE—Rector, Church Wardens & Vestrymen Trinity Church, G. C. Crane in charge, 72 Wall St., plans by F. Parker, 119 West 57th St., brick, steel, 73 Varick St. and 431 Canal St. $6,000,000.

Md. Fairfield (sta. Baltimore)—PLANT, etc.,—Asiatic Petroleum Co., 65 Bway., New York, has acquired 46 acres, and plans plant, incl. asphalt plant and fuel oil storage tanks; docking facilities are to be provided, channel dredged from main ship channel to permit large tankers to dock. $1,000,000.

O., Cleveland—FACTORY and BOILER HOUSE—Eaton Axle & Spring Co., C. I. Ochs, pres. and genl. mgr., East 65th St. and Central Ave., plans by G. S. Rider Co., Century Bldg., 120 x 340 ft. factory, 36 x 60 ft. boiler house, both 1 story, brick, steel, East 140th St. $175,000.

O., Cleveland—FACTORY—Grabler Mfg. Co., M. C. Rosenfeld, vice pres., 6565 Bway., plans by Christian, Schwarzenberg & Gaede, 1900 Euclid Bldg., 1 story, 35 x 80 ft., brick, steel addition. $40,000.

O., Cleveland — FACTORY — Thompson Products Co., C. W. Miller, vice-pres. and genl. mgr., 2196 Clarkwood Rd., plans by Roberts-Wright Co., Swetland Bldg., addition. $125,000.

O., Cleveland — WAREHOUSE OFFICE and PATTERN SHOP—U. S. Aluminum Co., c/o R. C. Wilson, 2210 Harvard Ave. 5 story, basement, 68 x 138 ft., rein.-con., brick, 2210 Harvard Ave. $150,000. Private plans.

O., Cleveland — FACTORY — Willard Storage Battery Co., R. C. Norber, pres. and genl. mgr., 246 East 131st St., 1 story, 64 x 212 ft, brick, steel, 246 East 181st St. $100,000. Private plans.

O., Painville — LIGHT PLANT — City soon takes bids addition to light plant, incl. boiler, stoker, auxiliary equipment. $100,000.

Ind., Alexandria—FACTORY — Aladdin Mfg. Co., 601 West Lake St., Chicago, Ill., steel, plain found., western section city.

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Buildings—Industrial (Continued)

Ind., Indianapolis—SHOPS—Carter-Richards Co., archts. and engrs., Engineers Bldg., Cleveland, O., soon lets contract 50 x 56 ft. carpenter shop addition, 50 x 100 ft. lumber shed, 50 x 50 ft. brass foundry, 40 x 80 ft. core room addition, 37 x 40 ft. sand bin addition, 40 x 50 ft. pattern shop, two 36 x 100 ft. flash building additions, all 1 story, for Federal Foundry Co., 602 South Harris St. $225,000.

Ill., Chicago—FACTORY—A. Epstein, archt., 2001 West Pershing Rd., soon takes bids 1 and 2 story, 300 x 305 ft., brick, 47th St. and South St. Louis Ave., for Indestro Mfg. Co., 2650 Coyne St. $800,000.

Tex., San Benito—POWER PLANT—Central Power & Light Co., Frost Bldg., San Antonio, improving plant, incl. 10,000 k.w. turbo-generator unit, 11,500 volt bus system, spray pond, 35,000 gal. per min. capacity, complete evaporator equipment, $150,000. Private plans.

Texas and New Mexico—COTTON GIN PLANTS—Globe-El Paso Cotton Co., c/o D. W. McComas, secy. mgr., Old Ft. Bliss or El Paso, 8 cotton gin plants between Ft. Hancock, Tex. and Las Cruces, N.M., $200,000. Private plans.

Okla., Maud—FOUNDRY and SHOP—Amer. Fdry. Co., sketches foundry and machine shop. $40,000. Private plans.

Wash., Seattle — FACTORY — Egyptian Lacquer Mfg. Co., John Davis & Co., agts., 807-2nd St., soon takes bids 2 story, 60 x 160 ft., concrete, steel, 1st South and Lander Sts. $250,000.

California—MATCH FACTORY—T. A. Box, et al., 63 Sunshine St., Sausalito, match factory, San Mateo Co. To exceed $500,000.

Calif., Berkeley—FACTORY—Calif. Electric Refrieration Corp., Jerrold Ave. and Napoleon St., San Francisco, 1 story, steel, corrugated iron, 5th St. $40,000. Private plans.

Calif., Los Angeles—FILM PLANT—Christie Film Co., c/o Austin Co. of California, archts., 777 East Washington St., 63 x 65 ft. monitor, 76 x 106 ft. stage, and 56 x 64 ft. recording buildings, all 1 story, brick, steel, concerte, Romaine Ave.

Calif., Los Angeles — GARAGE — J. Toplitzky, H. Hellman Bldg., sketches by K. MacDonald, Jr., Spring-Arcade Bldg., 12 story, basement, 75 x 155 ft., rein.-con., Hill St.

Calif., Oakland — DISTRIBUTING PLANT—Union Oil Co., Mills Bldg., San Francisco, 3 buildings, incl. fire walls, tanks, pipe lines. $100,000. Private plans.

Calif., Richvale—PULP and PAPER PLANT—Pacific Coast Pulp & Paper Co., C. A. Kieren, mgr. constr. Clunie Hotel, Sacramento, 66 x 225 ft. concrete steel main building, 32 ft. high, 32 x 75 ft. digester building, 45 ft. high, 60 x 240 ft. recovery plant, 24 ft. high, 50 x 80 ft. boiler plant, concrete smoke stack 150 ft. high, water tank 100 ft. high, 60,000 gal. capacity, $1,000,000. P. Swan, Lewis Bldg., Portland, Ore., engr.

Calif., Sacramento—FACTORY, PRINTING PLANT and WAREHOUSE—Zellerbach Paper Co., 1213 Front St., rebuilding 3 story, 30,000 sq.ft. floor space, 1213 Front St., recently destroyed by fire. $175,000.

Calif., San Francisco—COLD STORAGE TERMINAL—State sketches cold storage terminal, waterfront $2,000,000. F. G. White, State Harbor Comn., Ferry Bldg., ch. engr.

Calif., San Jose—MARKET BUILDING—V. Challen, et. al, 600 South 3rd St., plans by W. H. Weeks, 111 Sutter St., San Francisco, 2 story, brick, Santa Clara St. $150,000.

Calif., Santa Monica — NEWSPAPER PUBLISHING PLANT—Santa Monica Outlook plans by F. D. Rutherford, Mills-Fraser Bldg., 1 story, basement, 100 x 150 ft., rein.-con., 4th and Bway. Sts. $100,000.

Que., Montreal—PLANT—Carling Breweries Ltd., C. Burns, mgr., London, Ont., bottling plant, Bowman St. $250,000.

Ont., Galt — PRESS ROOM — Galt Art Metal Co., 1 story, 60 x 150 ft., brick, concrete steel, concrete found., Dundas St. $40,000.

Ont., Hamilton — DRY CLEANING PLANT and OFFICE—Langleys Ltd., 253 Spadina Rd., rein.-con., brick, steel, plain found., Main St. $200,000. Engineer and architect not selected.

Bids Desired

Mass., Cambridge (br. Boston)—AUTO PARTS—See "Contracts Awarded."

Mass., Charlestown (sta. Boston)—MILK PLANT—H. P. Hood & Sons, 494 Rutherford Ave., taking bids 3 story, 175 x 285 ft., brick, rein.-con., plain found., Rutherford Ave. Kilham, Hopkins & Greely, 9 Park St., Boston, archts. Monks & Johnson, 99 Chauncy St., Boston, engrs. Noted June 14.

Mass., Lynn—NEWSPAPER PLANT—Sanborn & Weed, archts., Item Bldg., taking bids 2 story, 65 x 105 ft., brick addition, plain found., for North Shore News, 52 Exchange St. $40,000.

Mass., Lynn — POWER HOUSE — See "Contracts Awarded."

N. Y., Comstock—SHOP—Aug. 8, by Commissioner Dpt. Correction, Albany, steel shop buildings at Great Meadow Prison; adv. E. N.-R. Aug. 2.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—L. Silver, 391 East 149th St., taking bids 2 story, 150 x 180 ft., brick, rein.-con., Fordham Rd. and Bathgate Ave. $50,000. Cohen & Seigel, 45 West 57th St., archts. Noted July 19.

N. Y., New York—SERVICE GARAGE—J. L. Grubel, 80 Maiden Lane, taking bids separate contracts 2 story, 100 x 200 ft., brick, rein.-con., 157th St. and Cromwell Ave. $85,000. N. Langer, 81 East 125th St., archt. Noted July 19.

N. J., Camden — MANUFACTURING—Aug. 6, by Lackey & Hettle, archts., 5 Hudson Ave., Camden, 3 story, basement, 52 x 150 ft., and 50 x 120 ft., brick, 2nd and Mickle Sts., for C. K. Cook Co., 211 South 2nd St. $80,000.

N. J., Plainfield—FACTORY—A. M. Korff, archt., 203 Park Ave., taking bids, general contract (selected list of contractors) 1 story, basement, 55 x 100 ft., brick, steel, plain found., North Ave. and Neatherwood St., for Owner, $40,000.

N. J., Westfield—FACTORY, OFFICE and STORE—H. V. Trevenen, archt., taking bids general contract 3 story, basement, 38 x 100 ft., brick, plain found., Quimby St., for M. Oldford, $40,000.

Pa., Spring Mills (mail William Penn)—MILL—Aug. 6, by W. Steele & Sons Co., engrs., 15th and Cherry Sts., Phila., 1 story, basement, 102 x 153 ft., rein.-con., brick, steel, plain found., Penn Ave., for Howard Hisiery Co. $75,000.

D. C., Wash.—SERVICE STATION—Aug. 3, by C. B. Raffer, consult. engr., Barr Bldg. service station, Bladensburg Rd. and Neal St., for International Harvester Co. of America, 606 South Michigan Blvd., Chicago, Ill. $100,000. E. A. Adt, Barr Bldg., 912 17th St., designer.

O., Columbus — FACTORY — Armstrong Finance Co., London, M. B. Armstrong, pres., taking bids factory, 60,000 sq.ft. floor space, Flenniken Rd. $135,000. Private plans.

Mich., Flint—PATTERN SHOP—Aug. 6, by H. E. Beyster, engr., c/o Fisher Body Corp. owner) 2 story, 75 x 300 ft., brick, steel, concrete, plain found. $150,000.

Ont., Toronto—FACTORY—D. Brouse, engr., 510 King St., E., taking bids 1 story, part basement, 100 x 400 ft., brick, steel, plain found., Coxwell Ave., for Service Station Equipment Co., 510 King St. E. Est. $200,000.

P. E. I., Charlottetown—WAREHOUSE Aug. 3, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., frostproof warehouse. $40,000.

Contracts Awarded

N. H., Keene — FACTORY — Kingsbury Machine Co., Myrtle St., 2 story, brick addition, plain found., to G. W. Scott, 28 Washington St.

Mass., Cambridge (br. Boston)—AUTO PARTS—J. Shapiro, 27 School St., Boston, altering and constructing 2 story, 30,000 sq. floor space, rein.-con., brick, steel additional unit, plain found., Vassar St., separate contracts. Chevrolet Motor Co., 277 Massachusetts Ave., lessee.

Mass., Canton—FACTORY—Edison Electric Illuminating Co., 39 Boylston St., Boston, altering and constructing 2 story, basement, brick addition, plain found., to Reynolds Bros., Inc., 179 Summer St. Est. $40,000.

Mass., Lynn—POWER HOUSE—General Electric Co., 920 Western Ave., altering and constructing 2 story, rein.-con., brick, steel addition, plain found., at River Works, separate contracts. Private plans.

Mass., Northampton—BOILER HOUSE, etc.—Cooley-Dickinson Hospital, 30 Locust St., 1 story, brick boiler house and central heating plant, plain found., to M. I. O'Connor, 184 North Elm St. Est. $40,000 or more. Noted July 19.

N. Y., Firthcliffe—YARN MILLS—Lockwood Greene & Co., archts. and engrs. 1 Pershing Sq., New York, general contract 4 story, basement, 55 x 158 ft., rein.-con., brick, caisson and sheet piling found., to John J. Turner & Sons, Amsterdam, for Firth Carpet Co. Est. $100,000. Noted July 12.

N. Y., Long Island City—SERVICE GARAGE—Stores Building Corp., 463-7th Ave., New York, plans by Shampan & Shampan, 188 Montague Ave., Brooklyn, 1 and 2 story, 97 x 180 ft., brick, concrete, 38th St. and 43rd Ave. $180,000.

N. Y., New York—PRINTING PLANT—New York Life Insurance Co., S. P. Kingsley, 346 Bway., plans by N. T. Anthony, 19 West 44th St., 10 story, 75 x 98 ft., brick, steel, 421 1st Ave. $390,000.

N. Y., New York—CANDY and ICE CREAM MANUFACTURING—W. J. Carlin, 234 West 78th St., plans by G. F. Mitchell, 959 Madison Ave., 3 story, 25 x 86 ft., brick, timber, 236 West 78th St. $40,000.

N. Y., New York—MANUFACTURING, LOFT and STORAGE—Harley Realty Corp., I. Chaltin, pres., 121 West 27th St., plans by Sugarman & Burger, 345 Madison Ave., 4 story, 58 x 64 ft., brick, 201 West 29th St. $100,000.

N. Y., New York—SERVICE GARAGE—M. Building Corp., N. Gass, pres., 505 Tremont Ave., plans by Glick & Dumas, 460 Fordham Rd., 2 story, 75 x 100 ft., Jackson Ave. and St. Mary's St. $50,000.

N. Y., New York—SERVICE GARAGE—Mindor Development Corp., S. Witkins, pres., 11 West 42nd St., plans by M. Klein, 65 Court St., Brooklyn, 1 story, brick, concrete, off Delancey St. $65,000.

N. Y., Olean—FACTORY—Olean Tile Co., 1 story, 50 x 362 ft., 96 x 105 ft., and 161 x 260 ft., brick, steel buildings, to A. A. Lane Constr. Co., 1869 East 55th St., Cleveland, O. Est. $300,000.

N. J., Elizabeth—FOUNDRY and CRANE—F. L. Smidth & Co., 50 Church St., New York, general contract 1 story, 20 x 50 ft., brick, steel, foundry addition, 64 ft. crane extension to C. Flocken, 681 Newark Ave. Est. $40,000. Noted June 7.

Pa., Aliquippa—LAUNDRY—J. F. Bontimpo, archt., general contract 1 and 2 story, basement, 80 x 100 ft., brick, steel, to Franklin Lumber & Contg. Co., Aliquippa, for Woodlawn Laundry Co. Est. $40,000. Noted July 5.

Md., Dundalk (br. Baltimore)—FACTORY—Central Fdry. Co., 1 story, 40,000 sq.ft. floor space addition. $40,000.

Va., Clifton Forge—SHOPS—See "Railways" under "West Virginia."

Va., Richmond—SHOPS—Chesapeake & Ohio Ry. Co., C. W. Johns, ch. engr., pending $1,000,000, shop improvements.

W. Va., Hinton—SHOPS— See "Railways" under "West Virginia."

W. Va., Huntington—SHOPS—Chesapeake & Ohio Ry. Co., Richmond, Va. C. W. Johns, ch. engr., expending $3,500,000, extending repair shops.

Ga., Shannon (mail Plainview)—WAREHOUSES—Southern Brighton Mills Co., three 1 story, 153 x 558 ft., brick, steel, concrete, to A. K. Adams & Co., 542 Plum St., Atlanta.

La., Shreveport—GARAGE—C. A. Parker, 533 Vine St., 3 story, rein.-con., brick, steel, 311 Edwards St., to H. C. Bellows, 208 Edwards St. Est. $125,000.

O., Ashtabula—FACTORY and MACHINE SHOP—Aetna Rubber Co., H. J. Kappler, vice pres. and genl. mgr., 815 East 79th St., 60 x 180 ft. factory, and 50 x 113 ft. machine shop, both 1 story, brick, steel, to Webster Constr. Co., Ashtabula. Est. $125,000. Noted July 12.

O., Cleveland—FACTORY — Astrup Co., 2937 West 25th St., 1 story, 59 x 165 ft. rein.-con., brick addition, to Natl. Concrete Fireproofing Co., Union Mortgage Bldg. Est. $50,000.

O., Cleveland—FACTORY and OFFICE—Federal Fdry. & Supply Co., L. H. Hart, secy.-mgr., 2639 East 79th St., 1 story, 90 x 260 ft., brick, steel, East 71st St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Est. $125,000.

O., Cleveland—SUB-STATION—Cleveland Electric Illuminating Co., 75 Public Sq., 2 story, basement, 58 x 59 ft., brick, steel, concrete, 1320 West 25th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $90,000. Noted July 19.

O., Cincinnati — FACTORY — Leschner Paper Co., Harrison and State Sts., 2 story, basement, rein.-con., brick, plain found., State St., to Ferro Concrete Co., Elm St. $68,000.

Ind., Evansville — FACTORY — Graham Paige Co., ten 1 story, 90 x 240 ft. rein.-con., brick, steel, Columbus Ave., to M. J. Hoffman Constr. Co., 403 Furn Bldg. Est. $500,000.

Ind., Ft. Wayne—FACTORY—Natl. Mill Supply Co., general contract brick, steel, 207 East Columbia St., to Olds Bros., 1213 1st Natl. Bank Bldg. Est. $40,000.

Ind., Mishawaka — PLANT — Mishawaka Dairy Co., general contract 2 story, 37 x 54 ft., rein.-con., brick, steel, 724 South Main St., to P. Schumaker, 323 West 4th St. Est. $75,000.

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Buildings—Industrial (Continued)

Mich., Detroit — FACTORY — Graham Paige Motor Car Co., 8505 West Warren Ave., group buildings all 1 story, rein.-con., brick, steel, plain founds., West Warren Ave., to M. J. Hoffman Constr. Co., 7147 West Warren Ave.

Ill., Aurora — FACTORY — Trindl Corp., 2917 Wabash Ave., Chicago, general contract 1 story, basement, 125 x 235 ft., brick, stone, to C. W. Linder, Aurora. Est. $55,000.

Ill., Chicago—BAKERY—Bremner Bros., 907 Forquer St., masonry and carpentry contract 6 story, 56 x 103 ft., brick, 911-13 Forquer St., to W. G. McNulty, 52 West Washington St., Est. $110,000.

Wis., Milwaukee—TERMINAL, WAREHOUSE and DOCK—Goodrich Transit Co., C. L. Dunlop, genl. agt., foot Michigan St., general contract 1 story, 125 x 400 ft., Ferry St., to W. G. Williams, 352 Jackson St.

Ia., Clinton—FACTORY—A. H. Morrell, archt., 508 Western Bldg., 3 story, 82 x 150 ft., brick, cut stone, to W. L. Yokum, 730 Main St., Dubuque, $76,000.

Neb., Gering — ROUNDHOUSE, etc. — Union Pacific R.R. Co., G. J. Adamson, ch. engr., Omaha, 5 stall, brick, concrete roundhouse, 1 story, 26 x 34 ft., brick boiler room, 1 story, 25 x 74 ft., brick machine shop, 12 x 13 ft. office addition, 16 x 24 ft. corrugated iron coal bin, 20 x 40 ft. store room, 28 x 30 ft. wash-out building, to T. J. Allen, Scottsbluff. Est. $150,000. Noted June 7.

Mo., Fulton — MANUAL TRAINING SHOPS—Missouri School for Deaf, H. E. Day, supt. general contract 3 story, 48 x 98 ft., brick, concrete to W. R. Odor & Son, Canton $39,910.

Mo., St. Louis — AUTO SERVICE and SALES—Ayers Auto Co., 4706 Washington Blvd., 2 story, basement, 97 x 130 ft., rein.-con., brick, 820 Cass Ave., to E. A. Steininger Constr. Co., 4829 Easton St.. Est. $60,000.

Mo., St. Louis—FACTORY—Gruendler Patent Crusher & Pulverizer Co., 320 North 4th St., 1 and 2 story, 98 x 162 ft., concrete, brick, 2915 North Market St., to Acme Constr. Co., 1782 Ry. Exch. Bldg. Est. $40,000.

Calif., Los Angeles—LAUNDRY—City Towel Supply Corp., 415 East 6th St., 2 and 4 story, 100 x 102 ft., rein.-con. (flat slab type), La Brea Ave., to Easton & Nesser, 323 South Western Ave., $88,090.

Calif., Los Angeles — FACTORY—Califelt Mfg. Co., 615 McKee St., 3 story, 22 x 176 ft., steel, corrugated iron addition, McKee St., to J. M. Cooper, Rives-Strong Bldg., cost plus 10% basis.

Calif., Los Angeles—FACTORY—Mason Mfg. Co., 858 East 60th St., 1 story, mezzanine, 120 x 223 ft., brick, steel, 858 East 60th St., to Austin Co. of California, 777 East Washington St. $50,000.

Calif., San Francisco—BAKING PLANT—International Baking Co., c/o Bliss & Fairweather, archts., Balboa Bldg., 2 story, rein.-con., Alameda and Bryant Sts., to MacDonald & Kahn, Financial Center Bldg., $150,000.

Ont., Hamilton — GARAGE — Connaught Motor Sales, 79 Main St. E., 2 story, basement, rein.-con., brick, steel, plain found., Main St. E., to H. C. Gummo, 503 Aberdeen Ave. Est. $150,000.

Buildings—Educational, Religious

Proposed Work

Mass., Brookline (br. Boston)—SCHOOL—Town, O. C. Gallagher, supt. schools, sketches by W. B. Coffin, 120 Boylston St., Boston, probably 2 story, basement, brick, plain found., Francis St. $150,000 or more.

Mass., Lexington—CHURCH—St. Bridget's Roman Catholic Church, W. J. McCarthy, pastor, 559 Massachusetts Ave., sketches by E. T. P. Graham, 171 Newbury St., Boston, 1 or 2 story, basement, brick, plain found., Follen St. $150,000 or more. Noted July 5.

Mass., Melrose (Ind. br. Boston)—SCHOOL—City, H. H. Stuart, supt. schools, Main St., sketches by C. R. Greco, 11 Beacon St., Boston, altering and constructing 2 story, basement, brick, additions to Lincoln and Wyoming Schools, plain founds. $180,000. Noted July 5.

Conn., East Hartford (br. Hartford) HIGH SCHOOL Town, R. R. Powers, chn. building com., plans by Whiton & McMahon, 805 Main St., Hartford, altering and constructing 8 room brick, steel, addition, incl. gymnasium. $200,000.

Conn., Waterbury — NURSES' HOME—Waterbury General Hospital, C. Lee, supt., plans by F. A. Webster, 51 West Main St., brick, steel, Robbins Ave. $150,000.

N. Y., Brighton (Ind. sta. Rochester)—SCHOOL—Brighton School Dist. 6, C. E. Salter, pres., 589 Monroe Ave., Rochester, plans by L. Stern, 315 Alexander St., Rochester, 75 x 100 ft., East Ave. $200,000. Noted Jan. 5, 1927.

N. Y., Brockport—HIGH SCHOOL—Central School Dist., A. Blossom, chn., sketches by L. Stern, 315 Alexander St., Rochester, 3 story high school. $400,000.

N. Y., Buffalo—SCHOOLS—Bd. Educ., 900 Genesee Bldg., plans by E. Crimi, Genesee Bldg., addition to School 48, incl. auditorium, gymnasium, cafeteria, manual training, domestic arts, Edna Pl. near Masten St., $220,000; Standard Elementary School, 1711 Abbett Rd., $500,000; Boys' Continuation School, East Ferry St. near Kehr St. $500,000.

N. Y., Monroe—SCHOOL—Bd. Educ. plans by F. W. Wentworth, 140 Market St., Paterson, N. J., 3 story, basement, brick, steel, plain found. $150,000. Noted May 17.

N. Y., New York—SCHOOL—Church of Holy Family, 1071 Castle Hill Ave., plans by M. Hausle, 3307 3rd Ave., 4 story, brick, Blackrock and Castle Hill Aves. $350,000.

N. Y., Rochester—PHYSICAL EDUCATION—University of Rochester, R. Rhess, pres., 11 Prince St., sketches by Gordon & Kaelber, archt. and engrs., 311 Alexander St., 2 story, basement, on campus. $350,000.

N. J., Hasbrouck Heights — HIGH SCHOOL — Bd. Educ., Administration, Bldg., sketches by A. E. Dore, McFadden Bldg., Hackensack, 3 story, basement, brick, steel, plain found. $350,000. Noted July 19.

N. J., Ridgewood—SCHOOL—Church of Our Lady of Mount Carmel, c/o Fanning & Shaw, archts., 49 Ward St., Paterson, 2 story, basement, brick, steel, plain found., Passaic St. $150,000. Noted June 21.

N. J., Riverdale (mail Westwood) — SCHOOL—Bd. Educ., Boro Hall, sketches by Rasmussen & Wayland, 36 West 47th St., New York, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Somers Point — SCHOOL — Bd. Educ. rejected bids school, Dawes and Atlantic Aves. $182,000. Will readvertise. Babcock & Champion, Guarantee Trust Bldg., Atlantic City, archts. Noted Apr. 19.

N. J., South River—HIGH SCHOOL—Bd. Educ., Boro Hall, revised plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000. Noted July 19.

Ga., Emory—NURSES' HOME—Wesley Memorial Hospital, c/o R. H. Oppenheimer, supt., plans by Kentz, Adler & Shutze, Candler Bldg., Atlanta, 3 story, basement, rein.-con., brick, Emory University.

Ind., Broad Ripple (br. Indianapolis)—SCHOOL—School Comrs., 150 North Meridian St., Indianapolis, plans by McGuire & Shook, North Meridian St., Indianapolis, School 80, 2 story, basement, 177 x 347 ft., rein.-con., brick, steel, 62nd and Bellefontaine Sts. $192,500. J. M. Rotz, Merchants Bank Bldg., engr.

Mich., Ann Arbor—HIGH SCHOOL—Bd. Educ., plans by W. B. Ittner, 911 Locust St., St. Louis, Mo., 2 story, rein.-con., brick, stone. $500,000. Noted May 24.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Bway. Ave., plans by G. D. Mason, Standard Savings & Loan Bldg., 2 story, basement, 64 x 140 ft., rein.-con., brick, steel, plain found., Gratiot Park. $160,000.

Tex., San Antonio—DORMITORY—Catholic Diocese, St. Marys Sts., bids early in August, 3 story, rein.-con., brick, plain found., Consepcion Rd. $150,000. L. M. J. Dielmann, 306 East Commerce St., archt.

Okla., Elk City—HIGH SCHOOL—Bd. Educ. plans by J. J. Davis, 1st Natl. Bank Bldg., Oklahoma City, rein.-con., brick, plain found. Election Aug. 14, $175,000 bonds for same.

Okla., Tulsa — CHURCH — P. W. Beck, c/o Baptist Church, sketches 2 story, basement, rein.-con., brick, plain found., Boston St. $200,000. Engineer and architect not selected.

Okla., Tulsa — SCHOOL — Bd. Educ. sketches by L. J. Shumway, 712 New Alexander Bldg., 3 story, basement, brick, plain found., Peoria St. $175,000.

Okla., Tulsa — SCHOOL — University of Tulsa, 7th and College Sts., sketches 3 story, basement, brick, rein.-con., plain found., on campus. $250,000. Engineer and architect not selected.

Okla., Tulsa—SEMINARY—Jenks Highway Catholic Seminary plans by F. W. Redelck, archt. and secy., Court Arcade Bldg., 4 story, basement, 125 x 125 ft., rein.-con. brick, plain found. $150,000.

Calif., Los Angeles — SYNAGOGUE — Beth Israel Congregation plans by A. A. Weitzman, 1017 Hibernian Bldg., 2 story, basement, 83 x 124 ft., concrete, brick, incl. auditorium, 1,000 seating capacity, and smaller one 300 seating capacity, Centennial St. $150,000.

Calif., San Pedro—CHURCH, CONVENT and PARISH HOUSE—Mary Star of the Sea Parish, church, convent and parish house, 8th and Meyler Sts. To exceed $150,000. Campaign to raise funds will be conducted this fall for same. Engineer and architect not selected.

Bids Desired

Mass., Ashland—SCHOOL—Town, E. R. Dearborn, chn. building com., taking bids 2 story, basement, 60 x 140 ft., brick, stone, plain found., near Town Hall, $150,000. W. H. Brainerd Associates, 89 Franklin St., Boston, archts. Noted July 26.

Mass., Haverhill — CHURCH — Presbyterian Church, A. McIntosh, c/o McIntosh Business College, taking bids altering and constructing 1 and 2 story, basement, brick, stone addition, plain found. $150,000 or more. J. A. Perkins, 45 North Ave., archt.

N. Y., Buffalo—SCHOOL—Aug. 23, by Bd. Educ., 900 Genesee Bldg., Elementary School 80, Orleans, Highgate and Windspear Aves. E. Crimi, Genesee Bldg., archt.

N. Y., Delmar—CHURCH and SCHOOL—Aug. 6, by Woodbury & Stuart, archts., 581 Boylston St., Boston, Mass., 1 and 2 story, basement, brick, stone, plain found., for Delmar Methodist Church, W. F. Strafford, chn., Elsmere. $150,000.

N. J., Belleville (br. Newark)—SCHOOL—Aug. 6, by Bd. Educ., High School Bldg., general contract 2 story, basement, brick, steel, plain found., Franklin Ave. $150,000. C. G. Jones, 280 Bway., New York, archt.

N. J., Boonton — HIGH SCHOOL — Bd. Educ., Town Hall, Main St., bids about Aug. 15, 4 story, basement, brick, steel addition, plain found., Lathrop Ave. $150,000. Hacker & Hacker, 201 Main St., Fort Lee, archts. Noted May 10.

N. J., Palisades Park — SCHOOL — Aug. 10, Bd. Educ., School House, Central Blvd., 2 story, basement, brick, steel, plain found. $350,000. Hacker & Hacker, Ft. Lee Trust Co., Bldg., Ft. Lee, archts. Noted June 7.

Md., Baltimore—LABORATORY, etc.—Aug. 7, by Smith & May, archts., Calvert Bldg., 6 story, basement, 166 x 195 ft., brick, steel, rein.-con. laboratory, classrooms for dentistry and pharmacy building, Lombard and Greene Sts., for University of Maryland, Lombard and Greene Sts. $400,000.

La., New Orleans—SCHOOL—Aug. 10, by at office A. J. Tete, secy. Orleans Parish School Bd., City Hall, altering and constructing additions to Andrew H. Wilson School, General Pershing, Tonti, Miro and Milan Sts.

O., Cleveland—HOSPITAL, PAVILLION and NURSES' DORMITORY—Aug. 15, by Lakeside Hospital group of University Hospitals of Cleveland, c/o F. A. Scott, 5701 Carnegie Ave., 8 story, basement hospital $3,000,000, 6 story, basement, pavillion $750,000, 8 story, basement, nurses' dormitory $1,600,000, all brick, steel, concrete, Euclid Ave. Coolidge, Shepley, Bulfinch & Abbott, 1 Court St., Boston, Mass., archts.

Mich., Olivet—DORMITORY—Aug. 7, by Bowd & Munson, archts., 409 Wilson Bldg., Lansing, 3 story, basement, brick, steel, plain found., for Olivet College, A. E. Vestling, pres. $150,000. Noted July 5.

Ill., Maywood — HOME — Roberts & Roberts, archts., 105 North Clark St., Chicago, taking bids 3 story, basement, 50 x 60 ft. with two 37 x 87 ft. wings, brick, timber, stone, Randolph St. and 4th Ave., for Baptist Old Peoples Home. $175,000. Noted May 17.

Kan., Pittsburg—SCHOOL—Aug. 7, by Bd. Educ., 2 story, basement, 100 x 170 ft., rein.-con., brick, $150,000. C. A. Smith, 800 Finance Bldg., Kansas City, Mo., archt. Noted June 14.

Calif., San Fernando—BOYS HOME—Protestant Welfare Assn., taking segregated bids two 1 story, 50 x 145 ft. rein.-con., stucco cottages. Plans later group buildings incl. administration building, shop,

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Buildings—Educational, Religious (Cont.)

agriculture building, in San Fernando Valley near Chalk Hill. To exceed $150,000. F. Kennedy, Jr., archt. and W. P. Shepherd, engr., both 15 South El Moline St., Pasadena.

Bids Received

N. Y., White Plains—HIGH SCHOOL—Bd. Educ., R. E. Dougherty, pres., July 26, general contract, high school, from W. A. Berbusse, 35 Bush Ave., Portchester **(A)** $1,043,400, from Gibbs Rice Co., Moshula Parkway and East 205th St., New York **(B)** $1,018,000 **(C)** $1,007,000 **(D)** $966,000; plumbing from W. Brown Plumbing & Heating, 67 North Bway, Yonkers, $71,790; heating, from F. P. Farrell, $137,717; electrical work, from Arc Electric Constr. Co., 315 East 39th St., New York, $55,843.

Contracts Awarded

N. H., Durham — CHEMISTRY — State Building Comn., Concord, 4 story, basement, 60 x 155 ft., brick, plain found., to S. Belanger & Son, Inc., 308 Main St., Nashua, $273,227. Noted July 12.

N. Y., Buffalo — HOME — Protestant Home for Unprotected Children, 605 Niagara St., 3 story, basement, 100 x 140 ft., rein.-con.., Niagara and Jersey Sts., to Hydro Constr. Co., Mutual Life Bldg., $150,000.

N. Y., Garden City—COLLEGE—Adelphi College St. James and Clifton Places, Brooklyn 3 buildings, to Amsterdam Building Co., 441 Lexington Ave., New York. Est. $1,500,000. Noted Apr. 19.

Pa., Aspinwall (mail Pittsburgh) — SCHOOL and DORMITORY—Shadyside Academy, general contract 1 and 2 story, O'Hara Twp., near here, to Cuthbert Bros., Bessemer Bldg., Pittsburgh. Est. $150,000.

Pa., Hillsville — SCHOOL — Bd. Educ. Mahoning Twp., R. McBride, R.F.D. Lowellville, O., and W. G. Eckles Co., archts., New Castle, general contract 2 story, basement, irregular sized, brick, steel, Mahoning Twp., to Troutman & Christman, Sharon. Est. $150,000. Noted July 5.

D. C., Wash.—CHURCH and PARISH HOUSE—Allen & Collins, archts., 75 Newbury St., Boston, Mass., church and parish house, to Boyle-Robertson, Inc., Evans Bldg., for National Universalist Society. Est. $1,000,000. Noted May 31.

Fla., Gainesville—DORMITORY——University of Florida, general contract, to Sutton Bros., Atlantic Natl. Bank Bldg., Jacksonville, $243,661. Noted July 5.

Ala., Montevallo—DORMITORY — Warren, Knight & Davis, archts., Empire Bldg., Birmingham, 4 story, part basement, 94½ x 141 ft., rein.-con., to A. C. Samford, 24 Galena Ave., Montgomery, for State. $140,000. Noted July 19.

La., Haynesville—COLLEGE and HIGH SCHOOL—Claiborne Parish Bd. Educ., c/o Secretary, Junior College and High School, 2 story, basement, rein.-con., brick, stone, to J. H. Reddick, Kennedy Bldg., Ft. Smith, Ark., $170,257.

O., Cincinnati—SCHOOL—Bd. Educ., 216 East 9th St., 3 story, basement, rein.-con., brick, plain found., Iowa St., to Monogue-Bauer, 1201 2nd Natl. Bank., $138,573. Noted June 21.

O., Columbus—DORMITORY—College St. Marys of the Springs, brick, stone, concrete, incl. 125 bedrooms, 85 x 75 ft. chapel, Sunbury Rd., to C. Lang Co., 555 South 5th St., $250,000.

Ill., Bunker Hill—HIGH SCHOOL—Meissner High School, c/o A. H. Wise, secy., 2 story, basement, 110 x 132 ft., rein.-con., brick, terra cotta, to Jubelt & Eckman, Gillespie. Noted July 12.

Ill., Evanston—GYMNASIUM—Hamilton, Fellows & Wilkinson, archts., 814 Tower Court, Chicago, general contract 2 story addition to Evanston High School, Church and Dodge Sts., to R. Sollitt & Son Constr., 228 North La Salle St., Chicago. Noted June 14.

Federal Government Work

Proposed Work

D. C., Wash.—ARCHIVES—Treas. Dpt. at office Supervising Archt., tentative sketches national archives building, Penn. Ave., 9th, 10th and B Sts., N. W. $5,000,000. J. A. Wetmore, acting superv. archt. Noted Aug. 5, 1926.

D. C., Wash.—OFFICES—Treas. Dpt. at office Supervising Archt., office for Dpt. Labor, 14th and B Sts., $5,000,000; office for Dpt. Justice Penn. Ave., 7th and 9th Sts. N. W., $5,000,000; group government offices, 12th and Penn Ave., $6,000,000. Noted Mar. 11, 1926.

Va., Quantico—POWER PLANT EQUIPMENT—Spec. 5602 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., power plant equipment, incl. steam generating plant, watertube boiler, air cooled boiler settings, pulverizers, burners, smoke flue, turbine and motor driven forced draft fans, metering feed water heater, storage tank, etc. for Marine Barracks.

Va., Quantico — STEEL STACK — Spec. 5716—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Marine Barracks.

Fla., Pensacola — REFRIGERATING EQUIPMENT—Spec. 5595—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Hospital, Naval Air Station.

Calif., Mare Island—AUTOMATIC REFRIGERATING EQUIPMENT—Spec. 5586—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Navy Yard.

Bids Desired

R. I., Providence—DREDGING—Aug. 31, by U. S. Engineer Office, 183,800 cu.yd. Pawtucket River, adv. E.N.-R. Aug. 2. Noted June 14.

N. Y., Albany—DREDGING—Aug. 29, by U. S. Engineer's Office, Army Bldg., 30 Whitehall St., New York, dredging 3,570,000 cu.yd. Hudson River 8 mi. from here; adv. E.N.-R. Aug. 2.

N. Y., Dunkirk—POST OFFICE—Aug. 29, by Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Postoffice; adv. E. N.-R. Aug. 2.

N. Y., St. George—MOORING CHAINS—Aug. 8, by Superintendent of Lighthouses, various wrought iron lightship and buoy mooring chains, buoy bridal chains, wrought iron buoy swivels, wrought steel buoy shackles, cast steel mushroom anchors.

New Jersey—DREDGING—Aug. 6, by U. S. Engineers, 2nd Dist., Army Bldg., New York, N. Y., Hackensack River. Noted May 24.

N. J., Cape May—REROOFING—Aug. 15, by Bureau Yards & Docks, Navy Dpt. Wash., D. C., Storehouse Building 22, Naval Air Station.

Pa., McKeesport—DREDGING—Aug. 27, by U. S. Engineer Office, Pittsburgh, channel in Youghiogheny River from mouth to 15th St., adv. E.N.-R. Aug. 2.

D. C., Wash.—STEEL, etc.—Aug. 9, by General Purchasing Officer Panama Canal, structural steel, fire brick, anti-friction metal, fibre rail joint insulations, asbestos wood, roofing, grit, calcium chloride.

D. C., Wash.—CONDUIT SYSTEM—Aug. 15, at office D. Lynn, archt. of Capitol, high tension conduit system or duct line between capitol power plant and U. S. Capitol Building, adv. E.N.-R. Aug. 2.

D. C., Wash—LIGHTSHIPS—Sept. 6, by Bureau of Lighthouses, 3 lightships.

Ga., Augusta—WATERPIPING—Aug. 9, by Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Post Office.

Ky., Louisville — MACHINERY, etc. — Aug. 9, by U. S. Engineer Office, P. O. Box 72, machinery piping in power house, and turbine pit, water pump, gate and valve Ohio River; adv. E. N.-R. Aug. 2. Noted July 12.

Ind., Jeffersonville—WALL—Aug. 7, by Constructing Quartermaster, 2,800 lin.ft. stone enclosing wall around Zachary Taylor Natl. Cemetery.

Texas—DREDGING—Aug. 27, by U. S. Engineer Office, Galveston, channel from Galveston Harbor to Texas City, adv. E.N.-R. Aug. 2.

Tex., Brooks Field—WATER SYSTEM—Aug. 10, by Constructing Quartermaster, replacing, additions to water system.

Calif., San Diego—STOREHOUSE—Spec. 5704—Aug. 22, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Operating Base.

Bids Received

N. H., Portsmouth—AIR COMPRESSOR—Bureau Yards & Docks, Navy Dpt., Wash., D. C., July 25, reciprocating air compressor, from Ingersoll-Rand Co., 11 Bway., New York, $37,100.

Conn., New Haven—DREDGING—U. S. Engineer Office, Providence, R. I., July 18, dredging in New Haven Harbor, from J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., at $0.133 per cu.yd. Noted June 28.

N. Y., Buffalo—PIER—U. S. Engineer Office, July 17, by concrete superstructure Bird Island Pier, from F. G. Hanssel, 753 Ellicott Sq., $61,120. Noted June 21.

N. J., Fort Monmouth—SEWAGE DISPOSAL TANK—Constructing Quartermaster, July 16, septic tank, from Waldemar Montensen, Inc., 103 Park Pl., New York, $18,625 (120 days). Noted July 12.

D. C., Wash. — RENEWAL — Bureau Yards & Docks, Navy Dpt., high pressure return lines at Naval Hospital, from Federal Heating Co., 340 13th St. N. W., $2,991.

Va., Fort Humphreys—VIADUCT—Constructing Quartermaster, July 22, grading viaducts, from W. F. Brenzier Co., 101 New York Ave. N.E., Wash., D. C., $12,000 (80 days). Noted July 21.

La., New Orleans—BARGES—U. S. Engineer Office, Poland and Dauphane Sts., July 16, two 120 x 30 x 7 ft. steel barges, from Howard Shipyards & Dock Co., Jeffersonille, Ind. (2) $21,000 (3) $750 (4) $21,750 (90 days). Noted June 21.

Michigan—ROCK REMOVAL—U. S. Engineer Office, Detroit, July 16, removing 155,400 cu.yd. earth and rock from steamship channel near Course 9, from Great Lakes Dredge & Dock Co., 104 South Michigan Blvd., Chicago, Ill., $1,227,660. Noted July 5.

Ill., Chicago — STOREHOUSE — Treas. Dpt. at office Supervising Archt., Wash., D. C., July 18, at U. S. Marine Hospital, from Hanson Constr. Co., 2412 East 75th St., $9,594. Noted July 5.

Ill., Great Lakes—HEATING MAINS—Spec. 5487—Bureau Yards & Docks Navy Dpt., Wash., D. C., heating mains at Naval Training Station, from J. L. Powers, Bennettsville, S. C., $39,593. Noted July 19.

S. D., Rapid City—ROAD—J. J. Johnson, dist. engr., 301 Custom House, Denver, Colo., improving Sect. K. Deadwood-Custer-Hot Springs National Forest, in Harney Natl. Forest, Pennington Co., from Western Bridge & Constr. Co., Peters Trust Bldg., Omaha, Neb., $32,725.

Mo., Kansas City—PILE CLUMP DIKES—U. S. Engineer Office, July 18, 3,400 lin.ft. standard pile clump dikes in Missouri River, St. Charles Reach, from Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, $104,485.

Texas — DREDGING — U. S. Engineer Office, Galveston, June 7, dredging Sabine-Neches Waterway, at month Port Arthur Canal, from Atlantic, Gulf & Pacific Co., Scanlan Bldg., Houston. Noted May 10.

Colo., Denver—CONDUITS—Bureau Reclamation, July 12, c.i. conduits from Steacy-Schmidt Mfg. Co., York, Pa., 73 in. $4,500, 72 in. diam. riveted steel pipe ends, $1,080.

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau P. Rds., 451 Market St., San Francisco, July 24, grading 11.85 mi. San Marcos Extension, National Forest Hy., Santa Barbara Co., from Tiselau Bros., Grove St., Berkeley, $63,747. Est. $77,330. Noted July 12.

Contracts Awarded

D. C., Wash.—DOME—Treas. Dpt. at office Supervising Archt., Wash., D. C., safeguarding dome of Rotunda, Natl. Museum, to H. S. Hatton Corp., 100 N. St. N.E., $46,771. Noted May 3.

N. C., Wilmington — DREDGING PUMP—U. S. Engineer Office, for U. S. Dredge "Henry Bacon," to Hardie-Tynes Mfg. Co., 800 North 28th St., Birmingham, Ala. Noted June 7.

Fla., Jacksonville — CHANGES — Treas. Dpt. at office Supervising Archt., Wash., D. C. at U. S. Post Office, to Johnson Finance & Constr. Co., Jacksonville, $16,000. Noted July 26.

Ala., Mobile — WATERPROOFING — Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Quarantine Station, to Jett-Quill Constr. Co., 106 North Royal St., Mobile, $9,726. Noted July 19.

La., Alexandria—HOSPITAL—U. S. Veterns Bureau, Arlington Bldg., Wash., D. C., general contract U. S. Veterans Hospital, to N. P. Severin, 222 West Adams St., Chicago, Ill., $1,027,675; plumbing, to D. W. Chapman Co., 427 Bond Bldg., Wash., D. C., $120,896; heating, to Redmon Heating Co., 124 North 4th St., Louisville, Ky., $86,800; electrical system, to R. A. Phelps, Beliot, Wis., $86,640; elevators, to Otis Elevator Co., 810 18th St. N.W., Wash., D. C., $32,276; ice making and refrigerating machinery, to Pyles Refrigerating Engr. Co., 411 West Pratt St., Baltimore, Md., $20,000, concrete chimney, to J. V. Boland Constr. Co., 712 Olive St., St. Louis, Mo., $4,042. Grand total $1,378,329. Noted July 12.

Tenn., Memphis — LEVEE WORK—Mississippi River Comn., 1st and 2nd Dists., 1006 Mc Call Bldg., Piece 1, in West Cairo Levee Dist., Reelfoot Lower St. Francis, Upper Yazoo and White River Levee Dists. to J. L. Ward Constr. Co., 11000 Wade Park Ave., Cleveland, O., $349,670; Pieces 2 and 6, to F. C. Morgan, Moratt Hotel, Indianapolis, Ind., $151,260; Pieces 3 and 5, to to C. I. Jones, 4951 Laclede Ave., St. Louis, Mo., $98,626; Pieces 4 and 6A to A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo. $137,500; Piece 7, to W. W. Roth, Hickman, Ky., $47,250; Piece 11, to C. C. Aderholdt, Memphis, Tenn., $91,200; Pieces

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Federal Government Work (Continued)

12 and 19, to G. C. Weathers, Jr., Greenville, Miss. $58,143; Piece 16, to Canal Constr. Co., McCall Bldg., $308,028; Piece 18, to H. J. Kaiser, 1522 Latham Sq. Bldg., Oakland, Calif., $60,840; Pieces 8, 9, 10 and 21, by Government plant and hired labor. Noted July 26.

Ill., Chicago—DREDGING—U. S. Engineer Office, North Branch and North Branch Canal, to Fitz-Simons & Cornell Dredge & Dock Co., 10 South La Salle St., $20,470. Noted June 21.

Texas—DREDGING— U. S. Engineer Office, Galveston, Galveston Channel to Orleans Dredging Co., Maison Blanche Bldg., New Orleans, La. $332,826. Noted June 21.

Wash., Fort Lewis—QUARTERS—Constructing Quartermaster, 6 company officers quarters and 5 non-commissioned officers quarters, to E. Anderson, Tacoma, $67,200. Noted June 21.

Oregon—ROADS—U. S. Engineer Office, Post Office Bldg., Portland, grading 6.3 mi. Fort Rock, Klamath Co., to C. R. Johnson, Portland, $29,108; 2.8 mi. Sanitiam, Linn Co., to R. W. Shaffer, Portland, $26,947.

Ore., Namorf—DAM—Bureau Reclamation, Dpt. Interior, Vale Diversion Dam, for Vale Main Canal on Oregon Eastern Branch Oregon Short Line R.R., to Derbon Constr. Co., Seattle, Wash., $443,421. Noted June 21.

Ore., Nyssa — DAM — Dept. Interior, Bureau Reclamation, constructing Owyhee Dam, Owyhee Project, Oregon-Idaho on Oregon Shore Line R.R., here, to General Constr. Co., 552 Coleman Bldg., Seattle, Wash., $3,198,779. Noted June 21.

Calif., San Diego—MOTOR TEST STANDS—Spec. 5634—Bureau Yards & Docks, Navy Dpt., Wash., D. C., extending motor test stands, to R. E. McKee, 1128 Central Bldg., Los Angeles, $27,917 (150 days). Noted June 14.

Unclassified

Proposed Work

BOARDWALKS—**Atlantic City, N. J.**—City Comn. expending $91,000, in redecking portion boardwalk from Maryland to South Carolina Aves.

PIERS, BOARDWALK, etc. — **Long Branch, N. J.**—Bd. City Comrs., City Hall, 2 piers, boardwalk, pavilions, boulevard along ocean front. $1,000,000. Engineer not selected.

GAS PIPE LINE—**Georgia, Alabama, and Tennessee**—Corporation, c/o Ohrstrom, Inc., 44 Wall St., New York, or R. C. Sharp, pres. Oklahoma Natural Gas Corp., 1 East 36th St., Oklahoma City, Okla., or Southern Natural Gas Co., 862 mi. pipe line, incl. 350 mi. 24 in. main line serving towns of Atlanta, Ga., Birmingham and Montgomery Ala., and Chattanooga, Tenn. $36,000,000.

OVER PASS — **Tennessee** — State Dept. Hys. & P. Wks., Nashville, and Nashville, Chattanooga & St. Louis R.R Co., Nashville, H. McDonald, ch. engr., surveys concrete overpass over railroad, on Murfreesboro-Shelbyville Rd., Rutherford Co. H. Berry, hy. comr.

SUBWAY—**Evansville, Ind.**—City subway under Chicago & Eastern Illinois Ry., on Virginia St., $84,390, grading $25,000. A. Pfafflin, city engr.

LIGHTING SYSTEM—**Galesburg, Ill.**—Ornamental lighting system on North Broad St. A. L. Richey, City Hall, engr.

COAL TERMINAL—**Minneapolis, Minn.**—City sold $150,000 bonds, coal terminal on Mississippi River between Washington Ave. and Northern Pacific Ry. Co. Bridge, incl., handling and storage facilities for 35,000 tons coal, dredging, sea wall, trackage. N. W. Elsberg, city engr.

AIRPORT — **Rochester, Minn.** — Mayo Properties Assn., H. J. Hartwick, mgr., airport, incl. 6 runways, marker border, beacon and flood lights. $150,000. Jefferson Airways, Inc., 29 North 28th St., Minneapolis, lessee.

TRAFFIC CONTROL SYSTEM — **Enid, Okla.**—City sketches electrically operated traffic control system. $40,000. F. A. Magruder, Enid, engr.

UNDERPASS—**Guthrie, Okla.**—Oklahoma R.R. Co., Terminal Bldg., Oklahoma City, G. B. Treat, ch. engr., 2 span 60 ft. rein.-con. underpass, 2 mi. south of here. $25,000.

UNDERPASS—**Oklahoma City, Okla.**—City, and Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, Ill., G. W. Harris, ch. engr., 2 span 60 x 80 ft. rein.-con. underpass under tracks, on 6th St. $55,000. W. W. Small, City Hall, engr.

PLEASURE PIER—**Long Beach, Calif.**—City, stone rubble mound pleasure pier, auditorium fill, on ocean front, incl. 296,000 tons revetment stone to be flanked with wooden pier, 3,800 ft. long, 36 ft. wide, 1,800 creosoted piles, 1,640 ft. untreated timber, dredged material 200,000 cu.yd. Noted June 28.

LIGHTING SYSTEM—**Sacramento, Calif.**—Surveys ornamental lighting system in entire downtown district. To exceed $25,000. S. J. Hart, city engr.

COAL HANDLING PLANT—**Three Rivers, Que.**—Dominion Coal Co., new electrically operated coal plant, incl. 360 ft. span unloading and stocking bridge with 132 ft. overhang at each end.

COAL HANDLING PLANT—**Port Stanley, Ont.**—London & Pt. Stanley Ry. Co., London, coal handling plant. $150,000.

Bids Desired

HEATING SYSTEMS—**Boston, Mass.**—Aug. 6, by Schoolhouse Dpt., City Hall, additions and alterations of heating systems in various schools. $25,000.

LAKE HOUSE—**Albany, N. Y.**—Aug. 6, by Bd. Contr. & Supply, City Hall, 185 x 74 ft., brick, 18½ ft. high, in Washington Park. $125,000. J. R. White, 109 State St., archt.

ATHLETIC FIELD—**Cortland, N. Y.**—Aug. 18, by Dpt. Educ., Education Bldg., Albany, grading for new athletic field at State Normal School, adv. E.N.-R. Aug. 2.

APPROACHES, TUNNELS, etc.—**New York, N. Y.**—Aug. 15, by Dpt. Mental Hygiene, Capitol, Albany, approaches, tunnels, driveways, retaining walls, lighting at Psychiatric Institute and Hospital; adv. E. N.-R. Aug. 2.

GRADE CROSSING ELIMINATION — **Pittsburgh, Pa.**—See "Streets and Roads."

TUNNEL—**Bowling Green, O.**—Aug. 24, by Bd. Trustees, Bowling Green State Normal School, E. T. Rogers, acting secy., rebuilding 555 ft. 6 x 5 ft. tunnel for steam pipes. $30,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt.

OVERHEAD STRUCTURE — **Wisconsin** —See "Streets and Roads."

FOUNDATION WALLS—**Ottawa, Ont.**, Aug. 7, by S. E. O'Brien, secy. Dpt. P. Wks., foundation walls for proposed Palm House and extension, Major's Hill Park. $30,000.

CULVERTS, SIPHONS, etc. — **Idaho** — Aug. 7, by J. D. Wood, comr. Dpt. Pub. Wks., Boise, culverts, siphons, pile culvert headwalls 5,383 mi. Lost River Hy., 1,500 cu.yd. culvert excav., 54,600 lb. reinforcing, 20 lb. hand placed riprap. P. B. Wilson, dist. engr.

Bids Received

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 1, Route 108, subsurface railroad under Jackson Ave. and Northern Blvd., Queens Boro, from Triest Contg. Co., 247 Park Ave., New York, $6,881,121. Noted July 19.

SUBWAY—**New York, N. Y.**—Bd. Transportation, 49 Lafayette St., July 24, Sect. 1-A, Route 8 of 14th St.—Eastern Rapid Transit R.R., from D. C. Serber, 1123 Bway., $3,160,000. Noted July 19.

Contracts Awarded

WHARF—**Boston, Mass.**—City, Dpt. P. Wks., wharf and paving yard, Commercial St., North End, to W. H. Ellis & Son, 479 Meridian St., East Boston, $24,635.

ENTRANCE—**New York, N. Y.**—Bellevue & Allied Hospitals, foot East 26th St., J. McGrath, pres., ambulance entrance, roadways, path, fences, at Bellevue Hospital, foot East 26th St., to Kenny Bros., Inc., 33 Old Bway., $33,000. Noted July 1.

FIRE PREVENTION WORK—**New York, N. Y.**—B. S. Coler, comr. Dpt. P. Welfare, Municipal Bldg., altering and constructing addition for fire prevention work, Woodside Pavilion, Randalls Island, to J. A. Lee, Farragut Rd., Brooklyn, $25,673. Noted June 21.

COAL POCKET and OFFICE—**Irvington** (br. Newark), **N. J.**—Lehigh Valley R.R. Co., 143 Liberty St., New York, general contract 40 x 160 ft. coal pocket, 55 ft. high, 1 story, 22 x 50 ft. office building, rein.-con., plain found., 884 Clinton Ave., to E. P. Muntz, Inc., Clinton Ave. Est. $100,000.

PLAYGROUND — **Newark, N. J.** — Bd. Educ., City Hall, playground on Bergen School site, to T. F. Conroy & Son, 95 Tiffany Pl., Hilton, $23,474.

GAS LINES — **Mayview, Pa.** — See "Sewers."

POWER HOUSE EQUIPMENT—**Mayview, Pa.**—Dept. Pub. Welfare, E. Raub, dir., City-County Bldg., Pittsburgh, power house equipment at Pittsburgh Home and Hospital, to Ruch Mchy. Co., 32 East Larson St., Pittsburgh, $79,997.

STEAM LINES—**Mayview, Pa.**—City of Pittsburgh Dept. Welfare, City-County Bldg., Pittsburgh, general contract steam lines, for City Home and Hospital, to Pitt Constr. Co., Empire Bldg., Pittsburgh, $29,247.

CONCRETE SLAB WORK, etc.—**New Orleans, La.**—Bd. Port Comrs., New Court House, concrete slab work, painting Poydras-Girod St. Wharves, to J. Riess, New Orleans Bank Bldg., and O. Reiss, 1423 Milan St., $70,588; downspouts, piping, hose racks for Poydras and Girod St. Sheds, to La. Dew-Casey Eng. Co., New Orleans, $11,917.

WHARF—**New Orleans, La.**—Port Comrs., reconstructing St. Andrew St. Wharf, to T. Carey, 4310 Elba St., $131,918. Noted Apr. 26.

AIRPLANE HANGAR — **Cleveland, O.**—Ohio Airways Corp., T. Hubbell, pres., Union Mortgage Bldg., 1 story, 100 x 120 ft., brick, steel, airport grounds, to R. S. Ursprung, Berea. Est. $60,000.

CULVERTS — **Galesburg, Ill.** — See "Waterworks."

TRANSMISSION LINE—**Oklahoma** — E. W. Baker Co., Perrine Bldg., Oklahoma City, 22 mi. 13,200 volt electric transmission line from Vici to Camargo, to W. S. Bashore c/o owner, $27,000. Est. $30,000.

TUNNELS — **Colorado** — Denver & Rio Grande Western R.R. Co., A. O. Ridgway, ch. engr., Equitable Bldg., Denver, enlarging 2 tunnels, blasting away another between La Veta and La Veta Pass, to P. Rogers, Pueblo, Est. $50,000.

HANGARS — **Alameda, Calif.**—Alameda Airport, Inc., 550 Howard St., San Francisco, one 70 x 100 ft. and 8 smaller hangars, 32 ft. deep, to Herrick Iron Wks., 18th and Campbell Sts., Oakland. Noted July 12.

HANGAR—**Los Angeles, Calif.** — Allen Decorating Co., 2801 Sunset Blvd., 400 x 400 ft. timber hangar, Mines Field, to L. S. Wylie, 1103 Subway Terminal Bldg.

LIGHTING SYSTEM — **Los Angeles, Calif.**—Ornamental lighting system on Vermont Ave. between San Marino Ave. and Washington St., to J. R. Davies, 2131 Santee St., $27,830.

FIRE ALARM SYSTEM—**San Angelo, Tex.**—Fire alarm system, incl. 65 alarm boxes, to Gamewell Fire Alarm Telegraph Co., Praetorian Bldg., Dallas, $25,500.

Materials

Proposed Work

CEMENT — **Wesley, Calif.** — E. Smith, secy. West Stanislaus Irrigation Dist. rejected bids July 14, 14,000 bbl. cement. Noted July 5.

Bids Desired

STEEL—**Onawa, Ia.**—Aug. 7, at office Auditor Monona Co., structural steel for seven I-beam bridges. R. A. Rawlings, Onawa, co. engr.

DIESEL ENGINE, etc.—**Durant, Miss.**—Aug. 7, by Town, 350 hp. Diesel engine direct connected to 23,000 volt generator of 60 cycles 3 phase, with direct connected or belted exciter, one generator panel with suitable equipment for light and water plant. L. J. Wilkes, clk.

Foreign

Bahama Islands—Bahamas Government awarded contract sewerage system, pump houses, sludge plant, 16 mi. sewers from Nassau to Key Islands, to McNamara Constr. Co., 53 Yonge St., Toronto, Ont., $750,000.

New Zealand, Wellington—Oct. 30, by Secretary Pub. Wks. Supply & Tenders, for relays, potential transformers 11,000 volt, potential transformers 110,000 volt, current transformers, control panels, control cables and spares.

See proposal advertising on page 154

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UNIT PRICES

Unit Price Lists Published in July, 1928

Bridge	Pennsylvania	July 5
Bridge approaches, superstructure	Chicago, Ill.	July 19
Road	Kentucky	July 5
Road	Ohio	July 12
Sewerage and water systems	Southgate, Calif.	July 5
Water-works improvements	Ada, Okla.	July 26

Bridge Approach—St. Louis, Mo.

Board of Public Service, City Hall, opened bids Feb. 14, foundation, rein.-con. piers, abutments, retaining walls and approach fill of Southern R.R. approach to St. Louis Municipal Bridge, 4,600 ft. long. Bids were considered four ways: Precast piles and monolithic conc. retaining wall; cast-in-place piles and monolithic conc. retaining wall; precast piles and conc. cribbed retaining wall; cast-in-place piles and conc. cribbed retaining wall. Contract was awarded for precast piling and cribbed conc. retaining wall. Bidders are: (A) A. Dunham Constr. Co., Chemical Bldg., (awarded contract); (B) Frazier-Davis Constr. Co., Arcade Bldg.; (C) J. J. Bailey, 616 Pershing Ave.; (D) Murch Bros. Constr. Co., Ry. Exch. Bldg. C. E. Smith & Co., Ry. Exch. Bldg., consulting engineers. Complete unit bids are given below.

	A	B	C	D
In Viaduct Portion, including Abutment:				
68,000 cu.ft. excav.	$0.10	$0.06	$0.10	$0.06
44,700 ft. conc. piling precast piles	1.50	1.40	1.60	1.85
44,700 ft. conc. piling cast in place	1.70	.....	1.85	1.89
62,700 cu.ft. conc. No. 2	.40	.50	.48	.34
74,300 lb. steel reinf. rods	.04	.05	.035	.03
360,000 lb. embedded structural steel	.055	.05	.055	.045
24,000 lb. anchor bolts	.10	.07	.06	.06
Remove and restore improvements of others (lump sum)	3,750.00	2,220.00	2,500.00	3,125.50
In Filled Portion:				
25,500 cu.ft. excav.	.02	.03	.03	.05
33,100 cu.ft. No. 2 conc.	.55	.45	.48	.36
39,000 lb. steel reinf. rods	.04	.04	.04	.04
487,400 cu.ft. filling behind wall	.01	.01	.01	.0225
600 ft. alternate for fill portion conc. cribbed retaining wall, including foundation	18.00	.....	26.00	23.00
487,400 cu.ft. filling behind wall	.01	.....	.01	.0225
Total precast piling and cribbed conc. retaining wall	$143,526	.....	.....	.....
Total cast in place piles and cribbed conc. retaining wall	152,466	.....	.....	.....
Total precast piles and monolithic conc. retaining wall	.....	$145,699	.....	.....
Total cast in place piles and monolithic conc.	.....	.....	.....	$158,788

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Street Improvement—Glencoe, Ill.

City opened bids June 15 grading, curbing, guttering, 8 in. concrete paving, and sewers in 10,775 sq.yd. streets. Bidders are: (A) Engineer's Estimate; (B) E. A. Meyer Construction Co., Highland Park, (awarded contract); (C) Highway Construction Co., Highland Park; (D) Johnson & Anderson, 4531 North Albany Ave., Chicago; (E) Paul Reschke, Winnetka. Windes & Marsh, Winnetka, engineers.

	A	B	C	D	E
8,650 cu.yd. excav.	$1.00	$1.00	$1.00	$1.00	$1.15
10,775 sq.yd. conc. pavement 8 in.	2.65	3.00	2.90	2.70	3.10
8,500 lin.ft. conc. combined curb and gutter	1.00	1.00	1.00	1.00	1.15
Tile Pipe Drains	Average Depth				
114 lin.ft. 30-in.	5 ft.	5.00	5.20	6.00	6.00	5.25
391 lin.ft. 27-in.	6 ft.	4.75	4.35	4.45	5.75	4.50
324 lin.ft. 24-in.	8½ ft.	4.05	3.00	3.00	5.00	2.95
405 lin.ft. 21-in.	10½ ft.	3.10	2.65	2.75	3.60	2.60
708 lin.ft. 18-in.	9 ft.	2.55	2.50	2.50	3.00	2.55
1,719 lin.ft. 15-in.	9 ft.	2.20	1.65	1.75	2.65	1.75
2,536 lin.ft. 12-in.	7½ ft.	1.85	1.75	1.85	2.25	1.60
4,148 lin.ft. 8-in.	6 ft.	1.00	1.90	1.00	1.25	1.95
35 lin.ft. 18-in.	8 ft.	4.00	4.20	5.00	5.50	4.00
60 lin.ft. 15-in.	12 ft.	4.50	4.40	4.60	6.00	4.20
135 lin.ft. 12-in.	7½ ft.	2.60	3.85	3.85	3.00	3.90
260 lin.ft. 8-in.	5 ft.	2.00	2.30	2.50	2.00	2.35
12 conc. manholes, average depth of conc. 9 ft.		125.00	108.00	118.00	125.00	110.00
23 conc. manhole catch basins average depth of conc. 10½ ft.		135.00	120.00	130.00	135.00	118.00
12 conc. catch basins, average depth of conc. 6½ ft.		85.00	80.00	90.00	85.00	85.00
7 conc. inlet basins		40.00	37.00	40.00	35.00	42.00
4.8 ft. of drop connections		3.50	3.00	3.00	3.50	2.85
6.6 cu.yd. conc. for one headwall		23.00	25.00	25.00	25.00	23.00
43 exist. manhole and vault covers adjusted		5.00	5.00	5.00	5.00	5.00
84 trees from 6 to 20 in. removed		15.00	22.00	22.00	12.00	15.00
22,000 sq.yd. parkway raked		.10	.10	.10	.11	.10
800 cu.yd. excav. for open ditch		.75	1.00	2.00	.75	1.75
1—27 x 6-in. Y		.....	20.00	25.00	16.00	15.00
3—24 x 6-in. Y		.....	16.00	17.00	11.00	12.00
5—21 x 6-in. Y		.....	11.00	12.00	8.00	10.00
12—18 x 6-in. Y		.....	8.00	9.00	5.00	6.00
9—15 x 6-in. Y		.....	6.00	7.00	4.00	5.50
28—12 x 6-in. Y		.....	2.00	3.00	2.00	2.50
32— 8 x 6-in. Y		.....	1.00	1.50	.90	.95
6—12 x 8-in. Y		.....	2.25	3.25	2.00	2.50
3— 8 x 12-in. connection to existing sewer		.....	3.00	5.00	15.00	5.00
90—shutoff boxes to be adjusted		.....	2.50	5.00	1.00	2.00
3—hydrants adjusted, lowered 1 ft.		.....	45.00	65.00	50.00	40.00
2—hydrants adjusted, raising 1 ft.		.....	16.00	26.00	50.00	40.00
60 crossing of existing pipes		.....	10.00	15.00	3.00	12.00
5 core tests		.....	15.00	20.00	25.00	20.00
Totals		.....	$76,755	$80,088	$82,125	$82,567	$83,975

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